Construction News

★Denotes work advertised in ENGINEERING NEWS.
✚Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

Eastern Building Operations Gain

More favorable than was to be expected were the building returns for January. Important gains were made in Albany, Boston, New York, Springfield, Syracuse and St. Louis. The large falling off in San Francisco, Calif. was unimportant, the large operations there last year were unusual. In 23 cities in the Eastern States there was a gain of 12%. This is an important increase and the fact that it began in the East is taken to mean that a gradual improvement through the country may soon be expected; recession in business is usually first felt on the Atlantic seaboard and the first improvement in trade is likewise shown there. The falling off in 14 Southern cities was far less than expected.

Month of January

EASTERN STATES

	1915	1914
Albany, N. Y.	$340,290	$149,065
Baltimore, Md.	575,072	478,790
Boston, Mass.	5,602,591	4,247,015
Bridgeport, Conn.	98,110	127,295
Buffalo, N. Y.	381,000	536,000
Elizabeth, N. J.	82,314	47,872
Hartford, Conn.	139,265	256,887
Hoboken, N. J.	325,000	63,480
Jersey City, N. J.	137,800	88,500
Newark, N. J.	339,708	353,214
New Bedford, Mass.	75,560	368,964
New Haven, Conn.	132,155	264,320
New York, N. Y.—		
Manhattan	7,830,100	3,511,100
Bronx	2,072,250	1,316,850
Brooklyn	1,373,095	2,459,290
Queens	642,624	1,073,507
Paterson, N. J.	73,895	29,941
Philadelphia, Penn.	910,805	1,247,985
Pittsburgh, Penn.	465,461	1,171,037
Reading, Penn.	5,900	414,975
Rochester, N. Y.	246,717	354,320
Scranton, Penn.	38,170	101,925
Springfield, Mass.	266,005	162,520
Syracuse, N. Y.	219,715	68,700
Utica, N. Y.	53,600	43,600
Worcester, Mass.	77,276	530,184
Totals	$22,504,478	$19,467,336

CENTRAL STATES

	1915	1914
Akron, Ohio	$45,635	$138,150
Canton, Ohio	31,175	11,200
Chicago, Ill.	4,327,900	4,726,900
Cincinnati, Ohio	451,350	580,910
Cleveland, Ohio	1,116,080	1,298,620
Columbus, Ohio	85,100	178,740
Des Moines, Iowa	52,250	38,400
Detroit, Mich.	1,121,280	2,636,260
Evansville, Ind.	69,050	70,236
Grand Rapids, Mich.	80,072	341,240
Indianapolis, Ind.	266,907	482,342
Kansas City, Kan.	35,690	57,870
Kansas City, Mo.	387,880	884,265
Milwaukee, Wis.	203,649	342,858
Minneapolis, Minn.	485,100	504,505
Oak Park, Ill.	113,885	112,630
Omaha, Neb.	165,075	180,440
Peoria, Ill.	176,000	172,200
St. Louis, Mo.	1,094,673	854,122
St. Paul, Minn.	699,258	514,312
Toledo, Ohio	537,297	234,894
Youngstown, Ohio	73,250	69,367
Totals	$11,618,556	$14,430,511

SOUTHERN STATES

	1915	1914
Atlanta, Ga.	$273,796	$320,965
Birmingham, Ala.	72,178	250,230
Chattanooga, Tenn.	29,142	55,170
Dallas, Tex.	140,005	417,750
Ft. Worth, Tex.	90,705	179,265
Houston, Tex.	158,544	178,971
Louisville, Ky.	277,420	303,280
Memphis, Tenn.	101,953	361,390
New Orleans, La.	146,999	204,051
Norfolk, Va.	119,864	120,765
Richmond, Va.	159,840	189,704
San Antonio, Tex.	69,295	317,865
Tampa, Fla.	53,180	150,495
Washington, D. C.	470,328	461,760
Totals	$2,163,249	$3,511,661

WESTERN STATES

	1915	1914
Denver, Colo.	$177,635	$229,318
Los Angeles, Calif.	860,360	1,182,246
Oakland, Calif.	256,673	257,786
Portland, Ore.	372,690	444,600
Salt Lake City, Utah	85,650	121,850
San Diego, Calif.	269,425	365,085
San Francisco, Calif.	868,797	7,349,816
Seattle, Wash.	408,585	1,206,580
Spokane, Wash.	92,185	34,045
Totals	$3,392,000	$11,191,326

RAILWAYS

Virginia—According to press reports Channing M. Ward, Richmond, Va., is making surveys for the projected railroad to connect Newport News and Washington. C. T. Hobart, L. C. Steele and W. W. Terry, Norfolk, Va., are interested.

Virginia—Norfolk & Western Ry.—It is reported that this company will build tracks on the property of the Dupont Co. near City Point, Va.

West Virginia—Buckhannon & Northern R.R.—According to press reports surveys are being made by this company for the extension of its line from Fairmont to Clarksburg, W. Va., about 17 miles. S. D. Brady, Fairmont, W. Va., is Ch. Engr.

✚**South Carolina**—Southern Ry.—A contract for additional track construction at East Spartanburg and Spartanburg Junction has been awarded by this company to J. DAVIS POWELL, Columbia, S. C.

Florida—St. Johns & Southwestern Ry.—This company is being organized for the purpose of constructing 9 miles of road from Starke, Fla.

✚**Louisiana**—Vicksburg, Alexandria & Southern R.R.—This company has awarded a contract to F. T. CONSTANT, Alexandria, La., for building a yard and 3½ miles of side tracks.

Montana—Great Northern Ry.—It has been announced that this company plans to expend approximately $15,000 in improvements to its road bed in the vicinity of Eureka, Mont. Work will begin in the early spring. The embankment will be riprapped with logs between Fortine and Eureka. A. H. Hogeland, St. Paul, Minn., is Ch. Engr.

Texas—Galveston, Harrisburg & San Antonio R.R.—Surveys are being made by this company for the extension of its line from Beeville to Fowlerton, Tex., about 70 miles. W. B. Scott, Houston, Tex., is Pres.

Texas—Houston & Brazos Valley Ry.—This company contemplates building a line from Anchor to Bryanmound, Tex. T. G. Banks, Freeport, Tex., is Supt.

Idaho—Oregon Short Line R.R.—This company will complete lines from Menan to St. Anthony, and from St. Anthony to Lincoln. A tunnel 480 ft. long will be driven through the mountain at Gibraltar, on the Yellowstone line, and a new passenger station and yards will be built at Pocatello. Carl Stradley, Salt Lake City, Utah, is Ch. Engr.

Oregon—Poe & Deveraux, Eugene, Ore., contemplate the construction of a logging railway into the timber lands on Lost Creek. The line will connect with the Natron-Oatridge branch of the Southern Pacific Co.

ELECTRIC RAILWAYS

Buffalo, N. Y.—A franchise has been granted to the Frontier Electric Ry. Co. to extend its lines across Kenmore Ave., Main St. and intervening streets, Buffalo.

Clymer, N. Y.—The Columbus & Mayville R.R. Co. has asked the Council for a franchise in Clymer. The plans are for building an electric railway between Jamestown and Clymer.

New Rochelle, N. Y.—The City Council has been requested by the Trolley Committee of the City Club to grant the Westchester Electric Ry. Co. a franchise to build an electric line from Mount Vernon through Winyah Ave. to connect the end of the North Pelham line with North Ave., and to extend the Hudson Park double-track line along Franklin Ave. William B. Wheeler, 519 South Fifth Ave., Mount Vernon, is Supt.

Trenton, N. J.—An extension of the Hamilton Ave. line of the Trenton & Mercer County Traction Corporation into East Trenton is being urged by the citizens of Wilbur. William H. Hitchcock is Gen. Mgr.

McConnellsburg, Penn.—The McConnellsburg & Fort London Ry. Co. has applied for a charter to build an electric railway from McConnellsburg to Fort London, Penn. Edward J. Post and D. H. Patterson are among the incorporators.

Lynchburg, Va.—The Lynchburg Traction & Light Co. contemplates the extension of its line over the proposed viaduct across the James River to Madison Heights. J. W. Hancock, Lynchburg, is Gen. Mgr.

Newbern, N. C.—The Newbern-Ghent St. Ry. Co. will extend its electric railway in Newbern. C. J. McCarthy, Newbern, is Gen. Mgr.

Columbia, S. C.—The Columbia Ry., Gas & Electric Co. will lay new track on its Elmwood Ave. line. Alfred Wallace, Columbia, is Gen. Mgr. and Pur. Agt.

New Orleans, La.—A double-track railway is planned for the lower section of the city below Canal St. Charles Torreogrossa and Joseph F. Ebert, New Orleans, are interested.

Shreveport, La.—The Shreveport Traction Co. plans to build an extension from Waverly to South Highlands, about 1½ miles.

Jonesboro, Tenn.—The Tennessee Eastern Electric Co. plans to build an electric railway from Jonesboro to Johnson City, at a cost of $100,000. Jonesboro has appropriated $25,000 for the work.

Louisville, Ky.—Plans are being prepared for the Louisville & Interurban R.R. Co. for a seven-mile extension from Fort Creek to Mount Washington. T. J. Minary, 316 West Jefferson St., is Gen. Mgr.

East Linden, Ohio—The East Linden Electric Ry. Co. has been granted a franchise by the Commissioners of Franklin County for a line from the Leonard Ave. viaduct in Columbus to East Linden.

Youngstown, Ohio—The Youngstown & Southern Ry. Co. will double track its line from Youngstown to Southern Park. The Council will soon be requested to grant the franchise. David Tod is Receiver.

Murphysboro, Ill.—The Murphysboro & Southern Illinois Ry. Co. will try to obtain a franchise from the Mayor and City Council.

Wichita, Kan.—The Arkansas Valley Interurban Ry. Co. is considering plans to extend its lines to Hutchinson. The company also contemplates extensions to Great Bend, Larned and other towns, both north and west. Charles D. Bell, Wichita, is Supt.

Tulsa, Okla.—The Tulsa-Sand Springs Interurban Ry. Co. plans to extend its line to Owasso Lake.

Tulsa, Okla.—Charles Page, Tulsa, is reported interested in the construction of an electric interurban railway from Tulsa to Collinsville, about 16 miles.

Fresno, Calif.—A request has been made by the Fresno Interurban Ry. Co. to the City Council for a franchise over certain streets in Fresno.

Riverside, Calif.—The Board of Supervisors has been asked by Floyd Brown and associates for a 50-year franchise to build an electric railway along the county highway in Riverside. Bids on the franchise will be opened on Mar. 3.

Stellarton, N. S.—The Pictou County Electric Co., Ltd., Stellarton, is considering extending its line from Potiers Bridge to Pardale, about one-half mile. L. T. Flaherty, New Glasgow, N. S., is Mgr.

LIGHT, HEAT AND POWER

★**Bath, N. Y.**—(Official)—The following bids were opened Feb. 2 for alterations to the electric plant at the Soldiers' and Sailors' Home, Bath. Plans (A) and (B): New York Construction Co., 1328 Broadway, New York, (A) $3642, (B) $6533; Electric Development & Contracting Co., 817 Broadway, New York, (A) $3513, (B) $6842; T. Frederick Jackson Inc., 99 John St., New York, (A) $3560, (B) $6700; Edward Joy Co., Syracuse, (A) $4949, (B) $9443; Buffalo Electric Co., 555 Washington St., Buffalo, (B) $9350; Buffalo Electric Contracting Co., 29 Broadway, Buffalo, (A) $4800, (B) $11,100; Peter Keeler Building Co., Albany, (A) $3796, (B) $6604; Nelson Walt Dalton, Thompsonville, Conn., (B) $14,165; Wheeler & Crane Electric Co., Rochester, (A) $7800; Woolley-James Construction Co. Inc., Rochester, (A) $3381. J. E. Ewell is Commandant. Noted Jan. 14.

★**Letchworth Village, N. Y.**—(Thiells post office)—(Official)—Bids were opened Jan. 30 by the Board of Managers, Letchworth Village, for the construction of a power house, equipment for a central heating plant, heating plant for laundry building, and underground piping. The three lowest bids for each division of the work follow: Power house, Simon Russek Inc., $13,610; Harriman Industrial Corporation, $13,794; J. F. Growe Construction Co., $13,975. Heating plant equipment, Blake & Williams, $44,988; John W. Danforth Co., $49,344; W. B. Armstrong Co., $49,426. Laundry building heating plant, Gilles & Geoghegan, $8990; Blake & Williams, $9400; R. T. Ford Co., $9700. Underground piping, Blake & Williams, $18,290; W. B. Armstrong Co., $20,571; J. A. Almirall & Co., $21,638. Noted Jan. 14.

★**Newark, N. Y.**—(Official)—Bids will be received until noon, Mar. 4, by Henry H. Stebbins, M. D., Pres. Bd. of Trustees, New York State Custodial Asylum for Feeble Minded Women, Newark, for heating, plumbing and electric work for a cottage for 92 inmates, and for heating, plumbing, drainage and electric work for a hospital building at the Asylum. Lewis F. Pilcher, Capitol, Albany, is State Arch.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids were opened Feb. 1 by the Superintendent of School Buildings for electrical equipment in new Public School 50, Driggs Ave. and South Third St., Borough of Brooklyn, as follows: T. Frederick Jackson Inc., $10,447; New York Construction Co., $10,626; Jandous Electric Equipment Co. Inc., $10,253; Eugene Frank, $11,093; Peet & Powers, $10,555; Electrical Development & Contracting Co., $10,734. Noted Jan. 28.

New York, N. Y.—(Borough of Queens)—(Official)—Bids were opened Feb. 1 for electrical equipment in new Public School 91, Central Ave., Glendale, Borough of Queens, from the following: T. Frederick Jackson Inc., $9660; Jandous Electric Equipment Co. Inc., $9268; Peet & Powers, $9555; New York Construction Co., $9372. Noted Jan. 28.

★**West Haverstraw, N. Y.**—(Official)—Bids will be received until 1 p.m., Feb. 16, by George Blagden, Pres. Bd. of Mgrs., New York State Hospital for Crippled and Deformed Children, West Haverstraw, for heating, plumbing, drainage, electric work and electric elevator for a new hospital building. Lewis F. Pilcher, Albany, is State Arch.

✚**Newark, N. J.**—The Public Service Electric Co. has awarded the contract for the construction of its power plant on the Passaic River at Point-no-Point to the BECKER CONSTRUCTION CO., Newark, at about $270,000. Noted July 2, 1914, and Jan. 14.

Camden, Tenn.—It is reported that the local electric-light plant, owned by J. S. Madrey & Sons, was recently destroyed by fire.

Dayton, Ohio—Press reports state that the Dayton Power & Light Co. has purchased a 32-acre site south of the city, upon which it will build a central plant. The company has recently acquired electric plants in Troy, Piqua, Wilmington, Osborn and Xenia, Ohio.

East Palestine, Ohio—The Board of Trustees of Public Affairs has been authorized by the City Council to purchase new equipment for the municipal electric-light plant. It is reported that the output of the plant is to be practically doubled. W. H. Van Fossen is Mgr., Supt. and Cont. Agt. of the plant.

Galion, Ohio—The Galion Iron Works & Mfg. Co. is preparing to add an electric power and light plant to its establishment on South St. Work on the building will begin, it is reported, as soon as weather conditions permit.

Lorain, Ohio—The City Council will hold a special election to vote on the question of establishing a municipal electric-light plant. George N. Damon is City Clk. Noted Nov. 19 and Jan. 14.

Garrett, Ind.—(Official)—Bids will be received until 8 p.m., Mar. 4, by the City Council, for one steam engine driven generating unit of 200-kva. capacity, three phase, 2300 volts, 60 cycles, with the necessary exciter, switchboard and other accessories. W. W. Mountz is City Clk.

Oxford, Mich.—Press reports state that the Edison Illuminating Co. of Detroit has submitted an offer to the City Council to purchase the municipal lighting plant of Oxford for $20,000.

Carbondale, Ill.—It is reported that the lowest bid received for the construction of a power plant at the State Normal University at Carbondale, was that of Urbauer & Atwood, 106 South 12th St., St. Louis, Mo. The building will be of brick, one story, 38x51 ft. The cost of plant and equipment will be about $40,000. Noted Jan. 14.

Wyocena, Wis.—The Board of Supervisors of Columbia County, Portage, has appropriated $15,000 for the construction and equipment of a central heat, light and power plant for the group of county buildings at Wyocena. A previous appropriation of $30,000 had been made for the construction of a new almshouse.

Larchwood, Iowa—It is reported that bids will be received shortly for the construction of an electric-lighting system. Bonds for the purpose were recently voted.

Sioux City, Iowa—It is reported that the Sioux City Gas & Electric Co. contemplates improvements, to cost about $50,000, to its plant and equipment. L. L. Kellogg, Sioux City, is Pres. and Mgr.

Osseo, Minn.—Bonds for $9000 have been issued, the proceeds of which will be used for the installation of a municipal electric-light plant. W. C. Buck, 4821 Fremont Ave. S., Minneapolis, is Engr.-in-Charge.

Winfield, Kan.—(Official)—Bids will be received until 5 p.m., Feb. 19, by the City Clerk for a 500-kw. turbo-generator, condenser and auxiliaries. Separate bids will be received at the same time for the installation of a switchboard.

Sentinel Butte, N. D.—It is reported that the Sentinel Butte Commercial Club is promoting arrangements for the installation of an electric-light plant for the town.

Stephens, Ark.—Press reports state that the Arkansas Power Co., Malvern, is considering the installation of an electric-light plant in Stephens. It is said that energy for the operation of the plant will be obtained from the Camden plant of the company. E. T. Reynolds is Mgr. of the plant at Camden.

Yale, Okla.—(Official)—See item under "Water Supply-Irrigation."

Fort Morgan, Colo.—The City Council contemplates the purchase of a 200-kva. alternating-current generator and engine for the municipal electric-light plant. George G. Cox is Supt. of the plant.

Roberval, Que.—It is reported that J. E. Thibault, Bagotville, Que., has prepared plans for a new electric-lighting system for Roberval. It is proposed to install sufficient equipment to furnish 600-hp. by developing a water power about three miles from the town.

Huntsville, Ont.—The Town Council plans to extend the present municipal lighting system at an estimated cost of $4000. G. Ralston is Mgr. of the plant. T. W. Cullom is Town Clk.

BRIDGES

Yarmouth, Maine—A resolution has been introduced into the legislature, asking for an appropriation of $12,366 to be used for rebuilding a bridge over the west branch of the Pleasant River in the town of Yarmouth. The bridge will be built under the supervision of the State Highway Commission.

✚**Concord, N. H.**—The Board of Public Works has awarded the contract for the construction of three bridges to the BERLIN CONSTRUCTION CO., Berlin, Conn., as follows: Federal Bridge, $20,625; Sewalls Falls Bridge, $14,318; Borough Bridge, $4075. The contract for the Main St. Bridge, Penacook, was awarded to the PENN BRIDGE CO., Beaver Falls, Penn., at $12,900. William B. Howe is City Engr.

Asbury Park, N. J.—It is reported that the Board of Chosen Freeholders of Monmouth County, Freehold, is considering the construction of a bridge over the Shark River in connection with state work on the new inlet at this point. The bridge will be about 225 ft. long.

South River, N. J.—It is reported that the Board of Chosen Freeholders of Middlesex County, New Brunswick, has approved plans for the construction of a bridge at South River. Alvin B. Fox, Perth Amboy, is County Engr.

★**Philadelphia, Penn.**—(Official)—Bids will be received until noon, Feb. 25, by M. L. Cooke, Dir. of Pub. Ser., for the construction of a concrete bridge to carry Broad St. over the joint four track railroad, South Philadelphia track elevation. For further information, see advertisement under "Contracts To Be Let."

Lawrenceville, Va.—(Official)—Bids will be received until noon, Feb. 19, by the Board of Supervisors of Brunswick County for the construction of a steel bridge over the Meherrin River about two miles south of Lawrenceville. W. T. Sledge is Clk. Bd. of Superv.

Bowling Green, Ky.—It is reported that the Warren County Fiscal Court is considering the construction of a new bridge over the Barren River.

Cincinnati, Ohio—(Official)—Bids will be received until noon, Feb. 26, by the Board of Commissioners of Hamilton County for the construction of a concrete bridge on the Pottenger Rd., Colerain Township, Specification No. 731. Albert Reinhardt is Clk. of Comrs.

Cincinnati, Ohio—(Official)—We are advised by F. L. Raschig, Ch. Engr. Div. of Structures, Bd. of Pub. Ser., that bids for the construction of a reinforced-concrete arch at the Park Ave. entrance to Eden Park, over Kemper Lane, will not be advertised before the middle of April. The estimated cost of the structure is $165,000. Bids will be received by Philip Fosdick, Dir. of Pub. Ser. Noted Nov. 26 and Dec. 10, 1914.

Lexington, Ohio—(Official)—Bids will be received until noon, Feb. 16, by John A. Dalton, Audr. of Richmond County, Mansfield, Ohio, for the construction of the Black Bridge, one mile northwest of Lexington. C. L. Bushey is County Surv.

Lima, Ohio—The City Council has retained A. W. Grosvenor, Consult. Engr., Fort Wayne, Ind., to prepare plans for a new concrete bridge over the Ottawa River on Pine St. The estimated cost is $30,000.

Poast Town, Ohio—The Board of Commissioners of Butler County, Hamilton, has had plans prepared by F. M. Hammerle, County Engr., for the construction of a 130-ft. steel bridge over the Miami River at Poast Town. The estimated cost, including repairs to the abutments, is $7413.

+Ecorse, Mich.—The Ecorse Township Board has awarded the contract for the construction of a bascule bridge over the Ecorse River at West Jefferson Ave. to the TOLEDO BRIDGE & CRANE CO., Toledo, Ohio, at $29,490. Noted Oct. 1 and 22, 1914, Jan. 7, 1915.

+Atkinson, Ill.—(Official)—The Highway Superintendent of Henry County has awarded the contract for the construction of the Jerome Black and Lewis Bridges to the PORTER McCULLY CONSTRUCTION CO., at $4390. Noted Jan. 28.

+Sorento, Ill.—(Official)—The County Superintendent of Highways has awarded the contract for the construction of the Mount Moriah Church Bridge to the EAST ST. LOUIS BRIDGE CO., East St. Louis, Ill. The contract for the Pence Bridge was awarded to HARLAN & BAUMBERGER, Greenville, Ill. Noted Jan. 28.

Green Bay, Wis.—The Common Council has accepted the plans of the Strauss Bascule Bridge Co., Chicago, Ill., for a new bridge over the East River at Main St. The Council has ordered the estimates of cost to be submitted at its next meeting. It is reported that bids will be asked as soon as possible.

Milwaukee, Wis.—It is reported that bids will be asked for the construction of the new State-Martin St. Bridge as soon as the War Department has finally approved of the plans. The estimated cost is $175,000. Plans were prepared by J. C. Pinney, Supt. of Bridges. Fred G. Simons is Comr. of Pub. Wks. Noted Apr. 9 and Jan. 7.

Shawano, Wis.—Bids will be received until 3 p.m., Feb. 23, by O. C. Rollman, Highway Comr. of Shawano County, for the construction of a 60-ft. skewed plate-girder bridge over Mill Creek, Town of Red Springs. Plans were prepared by M. W. Torkelson, State Bridge Engr., Madison.

Logan, Iowa—The Board of Supervisors of Harrison County has passed a resolution of necessity for the construction of nine bridges in the county. The estimated cost is $10,090. J. M. Albertson is County Audr.

+Nevada, Iowa—(Official)—The Board of Supervisors of Story County has awarded the contract for the construction of 191 reinforced-concrete bridges and culverts and one steel bridge with concrete floor to PAUL N. KINGSLEY, Strawberry Point, Iowa, at $34,822. Other bidders were: Cole Bros., Ames, Iowa, $36,300; J. W. Hopp Construction Co., $41,403; Boone Construction Co., Boone, Iowa, $41,900; L. B. Child, Nevada, $37,108. Noted Jan. 28.

Leavenworth, Kan.—An election will be held Apr. 6 at which the citizens will vote on the question of a bond issue to be used for the construction of either reinforced-concrete or steel bridges over Three Mile Creek at Second and Third St. The estimated cost of the bridges, if of concrete, is $31,053, and if of steel, $21,371. Harry Perkins is City Engr.

Liberal, Kan.—(Official)—Bids will be received until noon, Feb. 23, by the County Clerk of Seward County for the construction of two wooden pile bridges over the Cimarron River. The Stout Bridge will be 210 ft. long, and the Edmonds Bridge will be 362 ft. long.

+Marysville, Kan.—The Board of Commissioners of Marshall County has awarded the contract for the construction of 11 steel bridges in the county to the MISSOURI BRIDGE & IRON CO., at $6058. The contract for four concrete bridges was awarded to the TOPEKA BRIDGE & IRON CO., at $10,250.

Nebraska City, Neb.—Bids will be received until noon, Feb. 16, by the Clerk of Otoe County for bridge construction during 1915.

Nelson, Neb.—Bids will be received until 10 a.m., Mar. 3, by E. E. Hedgecock, Clk. of Nuckolls County, for the construction of a reinforced-concrete bridge over the Republican River. It will be composed of two 50-ft., two 55-ft. and one 60-ft. arches, 16-ft. roadway, concrete piers and abutments.

Nelson, Neb.—Bids will be received until noon, Mar. 3, by E. E. Hedgecock, County Clk., for bridge construction during 1915.

Billings, Mont.—Two bond issues, one of $32,000 and the other of $45,000, have been sold recently by the Commissioners of Yellowstone County. The proceeds will be used for building two bridges over the Yellowstone River. It is reported that bids will be asked at once for the construction of these bridges, and work will begin in the spring. H. E. Howell is Deputy County Clk. Noted Oct. 15 and 29, Nov. 19 and Dec. 17.

St. Louis, Mo.—Press reports state that the Missouri Pacific Ry. will soon begin the construction of a viaduct over its tracks at Chouteau Ave. The estimated cost of the structure is $315,000. J. R. Stephens, St. Louis, is Ch. Engr. Noted Jan. 14.

St. Louis, Mo.—Bids will be received until noon, Mar. 15, by the Board of Estimate and Apportionment, for the purchase of the $2,750,000 bond issue, the proceeds of which will be used for the completion of the Municipal Free Bridge over the Mississippi River. Noted May 14, Oct. 22, Nov. 12 and 26, 1914.

Little Rock, Ark.—The lowest bid submitted to the City Council for the completion of the Third St. Viaduct was that of N. Peay at $8054. Five other bids were received. H. Levinson is City Engr.

Austin, Tex.—(Official)—We are advised by John O. Johnson, City Clk., that no bids will be asked for the construction of a reinforced-concrete bridge over Shoal Creek at 10th St. The work will be done by city forces. M. C. Welborn is City Engr. Noted Jan. 21.

+Fredericton, N. B.—The contract for rebuilding the bridge at the mouth of the Great Salmon River, Parish of St. Martin, has been awarded to L. B. SMITH, St. John, N. B., at $9275. John Morrison is Minister of Pub. Wks. Noted Jan. 14.

Ottawa, Ont.—(Official)—New plans for the construction of the Pretoria Ave. bridge are being prepared by the Strauss Bascule Bridge Co., 104 South Michigan Ave., Chicago, Ill., for a bridge of the company's patented type. New bids will be called for at a later date. F. C. Askwith is City Engr. L. McL. Hunter is Roadway Engr. Noted Oct. 22, Nov. 5 and Dec. 31, 1914.

+Vancouver, B. C.—The Burrard Inlet & Bridge Co. has awarded the contract for the construction of the Second Narrows Bridge over the Burrard Inlet to C. A. P. TURNER and the WESTERN FOUNDATION CO., at $1,744,831. Ralph Modjeski, Chicago, Ill., is Consult. Engr. Noted Jan. 22, Feb. 12, Apr. 16, May 7, July 16 and Dec. 3, 1914.

WATER SUPPLY—IRRIGATION

Berlin, N. H.—The citizens contemplate constructing a water system. Daniel J. Daley is Mayor.

+Boston, Mass.—Contracts have been awarded by the Supply Department for 6500 ⅝-in. meters to H. R. WORTHINGTON CO., 115 Broadway, New York, N. Y., at $32,175; for 350 meters to HERSEY MFG. CO., Boston, at $6239. Bids opened Jan. 27. Noted Jan. 21.

+Boston, Mass.—The contract has been awarded to the GIBBY FOUNDRY CO., Boston, at 20c., 19c. and 15c. per pound for composition castings for the Water Department. Noted Jan. 21.

Shrewsbury, Mass.—(Official)—Bonds for $70,000 have been voted by the citizens, the proceeds of which will be used for the construction of a water system.

Sturbridge, Mass.—(Official)—Joseph La Flamme and two others have been appointed by the town to report on the installation of a water system.

Ellington, Conn.—The installation of an engine, tank and pump for emergency purposes is contemplated by the water works company, owned by F. M. Charter.

Barker, N. Y.—(Official)—Bids will probably be received in March for the installation of a water system. Charles C. Hopkins, Cutler Bldg., Rochester, in Engr. Noted Jan. 7.

★Lyons, N. Y.—(Official)—Bids will be received until noon, Mar. 3, by the Municipal Board for constructing a water system and a sewer system. H. F. Zimmerlin is Clk. For details see advertisement under "Contracts To Be Let."

+Patchogue, N. Y.—The contract for driving a well at the new tuberculosis hospital has been awarded by the County Supervisors to P. H. & J. CONKLIN CO., Newark, N. J., at $4.85 for 8-in. pipe and $4 for 6-in. pipe.

Rochester, N. Y.—The Central Supply Co., Worcester, Mass., was low bidder for galvanized-iron pipe for the water department.

+Troy, N. Y.—The contract has been awarded to the UNITED STATES CAST IRON PIPE & FOUNDRY CO., Philadelphia, Penn., at $20.20 per ton for 570 tons of class B 16-in. pipe, and $55 per ton for specials.

★Atlantic City, N. J.—(Official)—Bids will be received until Feb. 25 by the Board of Commssioners for one 18,000,000-gal. turbo-centrifugal pump for the Absecon pumping station. H. Bacharach is Dir. of Parks and Pub. Property.

Jersey City, N. J.—Henry Byrne, Comr., has recommended the construction of another pipe line to carry water from the Boonton reservoir to Jersey City. The estimated cost is $1,500,000. Charles A. Van Keuren is Ch. Engr. of the Water Dept.

Margate City, N. J.—(Atlantic City post office)—(Official)—Bids will be received until 4 p.m., Feb. 13, by the Board of Commissioners for one centrifugal pump with a capacity of 700-gal. per minute A. B. Repetto is City Clk.

Totowa, N. J.—(Paterson post office)—A contract has been signed by the Borough of Totowa with the Passaic Water Co. to furnish water to the town. A pipe line will be built.

South Boston, Va.—A committee has been appointed by the Mayor to consider the advisability of issuing bonds, the proceeds of which will be used for the installation of a water system, making extensions to the sewer system and for paving.

Winston-Salem, N. C.—The installation of a new 500,000-gal. filter has been recommended to the Board of Aldermen. Noted July 16.

Clearwater, Fla.—Bids will be received until Feb 17 by A. J. Brandon, Supt. of Pub. Wks., for 6500 ft. of c.-I. pipe and specials for the water department. Noted Jan. 14.

+Key West, Fla.—The contract has been awarded to R. D. WOOD & CO., Philadelphia, Penn., for 1400 ft. of 14-in., 1200 ft. of 12-in. and 800 ft. of 10-in. bell and spigot c.-i. pipe at $23 per ton.

Gleason, Tenn.—An election will be held to vote on the question of issuing bonds, the proceeds of which will be used for the construction of a water-works.

Sebree, Ky.—New bids will be received until Mar. 1 for the purchase of $14,000 in bonds, the proceeds of which will be used for the installation of a water system. Noted Dec. 31.

Akron, Ohio—Bids will be received until noon, Feb. 12, by C. P. Parker, Dir. of Pub. Ser., for 1075 water meters, 1050 stop cock boxes and 3400 corporation cocks.

Cleveland, Ohio—Bids will be received until noon, Feb. 24, by the Commissioner of Purchases and Supplies for constructing a coagulant house. Plans are on file with Charles F. Schultz, Comr. of Water Dept.

✚**East Liverpool, Ohio**—The contract for the construction of a mechanical filtration plant has been awarded to CHESTER & FLEMING, Pittsburgh, Penn., at $300,000. Noted Nov. 19.

Ann Arbor, Mich.—(Official)—Bids will be received until 7 p.m., Feb. 15, by Manley Osgood, City Engr., for driving a well 16 ft. in diameter and 23 ft. deep and a test pump. Noted Dec. 10.

★**Chicago, Ill.**—(Official)—Bids will be received until 11 a.m., Feb. 25, by the City of Chicago for water meters. L. E. McGann is Comr of Pub. Wks. For details see advertisement under "Contracts To Be Let."

Hillsboro, Ill.—The Phillips Engineering Co., St. Louis, Mo., has been retained by the City Council to prepare plans for the installation of a water system.

Joliet, Ill.—(Official)—We have been advised that the city does not intend to construct a reservoir as was noted Jan. 21. C. D. O'Callahan is City Engr.

Mackinaw, Ill.—An election will be held Feb. 16 to vote on the question of issuing bonds, the proceeds of which will be used for the extension of the water system.

Paris, Ill.—According to press reports plans have been prepared by Fleming, Enger & Babbitt, University of Illinois, Urbana, for the construction of a water system. The estimated cost is $90,000. Noted Jan. 28.

Clintonville, Wis.—(Official)—Bids will soon be received by George C. Stewart, Supt. of Water-Wks., for the installation of a centrifugal pump at the water-works. Noted Jan. 21.

Janesville, Wis.—(Official)—The city will purchase the water-works at $265,000. Bonds will be voted, the proceeds of which will be used for the improvement of the system. C. V. Kerch is City Engr.

Two Rivers, Wis.—The Town Council will retain an engineer to make a survey of the water system and the Lake Michigan water-supply with a view to enlarging the supply. Either a 4000-ft. intake or additional shore wells will be constructed. E. Bruins is City Engr.

Summit, S. D.—Bonds for $8000 have been sold, the proceeds of which will be used for the installation of a municipal water system. Noted Oct. 1 and 15.

Fromberg, Mont.—The City Council will retain an engineer to prepare plans for the construction of a municipal water system.

Missoula, Mont.—The City Council is negotiating with W. A. Clark for the purchase of the water system. If the city does not purchase the water system, approximately $400,000 will be expended for the construction of a municipal water system. H. E. Rolfe is City Engr. Noted Aug. 6.

Chillicothe, Mo.—An election will be held Feb. 15, to vote on the question of purchasing the water system. If the proposition is carried, improvements will be made.

Donna, Tex.—(Official)—An election will be held about Apr. 1 to vote on the question of issuing $450,000 in bonds, the proceeds of which will be used for the extension of the Donna Irrigation District. D. H. Barr is Secy. Noted Jan. 28.

Mineola, Tex.—The State Attorney General has approved a bond issue for $24,500, the proceeds of which will be used for the construction of a water system.

✚**Sweetwater, Tex.**—The contract for laying about six miles of c.-i. gravity conduit has been awarded to JOHN MOORE, Abilene, Tex., at $12,866. Noted Jan. 7.

Quinton, Okla.—According to press reports the Town Council contemplates the construction of a water system.

Redrock, Okla.—(Official)—At an election held Jan. 28 the citizens voted in favor of issuing bonds for $22,000, the proceeds of which will be used for the construction of a water system. Plans are being prepared by the Benham Engineering Co., Consult. Engr., Oklahoma. Noted Jan. 14.

Yale, Okla.—(Official)—Bids will be received until 8 p.m., Feb. 20, by E. A. Pierson, Clk., for making extensions to the water system and electric-light system. The estimated cost is $25,000 and $7000 respectively. D. B. Merry, Oklahoma, is Engr. Noted Jan. 21.

✚**Sterling, Colo.**—The contract for pipe and specials for the extension of the water system has been awarded to HENDRIE & BOLTHOFF CO., Denver, at $5120.

Pocatello, Idaho—The Pocatello Realty Co. has applied to the Public Utilities Commission, Boise, for permission to construct a water system in the Fairview and Park additions. Noted Sept. 10.

Ogden, Utah—(Official) — Plans have been prepared by Washington Jenkins, City Engr., for making extensions to the water system. The estimated cost is $75,000. F. O. Stanford is City Recdr. Noted Jan. 21.

Seattle, Wash.—Bids will soon be received, according to press reports, by A. L. Valentine, Chn. Bd. of Pub. Wks., for laying water mains in Shilshole Ave. and in West 49th St.

Eugene, Ore.—The contract for the construction of a 2,500,000 gal. reservoir has been annulled. The work will be readvertised and bids will soon be received. A. Forneri is City Engr. Noted Oct. 8.

Portland, Ore.—Bids will soon be received by J. R. Wood, Pur. Agt., for 5000 tons of c.-i. pipe and specials for the water department. The estimated cost is $250,000.

Lancaster, Calif.—Press reports state that Edwin T. Earl, Los Angeles, will install pumping plants at his ranches for irrigation purposes.

Oakdale, Calif.—Bids will soon be received by the Oakdale Irrigation District for constructing canals and laterals. The estimated cost is $300,000. Noted Nov. 19.

San Fernando, Calif.—About $30,000 will be spent by the City Trustees for the improvement and extension of the water system. I. B. Funk, 516 Central Bldg., Los Angeles, is City Engr.

Santa Paula, Calif.—(Official)—Bids will probably be received Mar. 1 by the Pleasant Valley Mutual Water Co. for constructing a pumping plant and pipe line. The estimated cost is about $100,000. A. C. Hardison is Engr. Noted Jan. 21.

Brampton, Ont.—Plans are being prepared by William Treadgold, City Engr., for the laying of water mains in 15 streets this spring.

Ottawa, Ont.—Bids will be received until 4 p.m., Feb. 23, by the Secretary of the Water-Works Committee, City Hall, for brass work, pipe castings, c.-i. pipe, pig lead and valves.

Toronto, Ont.—Bids will be received by the Chairman of the Board of Control, City Hall, until noon, Feb. 16, for 24-in., 30-in. and 36-in. c.-i. special castings. Specification are on file at the Department of Works, City Hall.

Bassano, Alta.—Bids will soon be received by George Wingatwyd, Engr., for one 750-gal. turbine pump, 1100 ft. of 6-in. c.-i. pipe and 1200 ft. of 8-in. vitrified sewer pipe.

Saanich, B. C.—(Official)—Bids will be received until noon, Mar. 12, by Hector S. Cowper, Clk. of Municipal Council, for the construction of a water system. Noted Jan. 14.

SEWERS

✚**Boston, Mass.**—Contracts have been awarded for cleaning catch basins in District No. 1 to JOHN W. COLLINS, at $9500, and in Districts Nos. 2 and 3 to MARK H. LYNCH, at $7700 and $6925, respectively.

Huntington, N. Y.—Bids will be received some time in March for constructing a sewer and sewage-disposal plant. S. E. Sammis is Town Clk. and George W. Fuller, 170 Broadway, New York, N. Y., is Engr. Noted Dec. 17 and Jan. 21.

★**Lyons, N. Y.**—(Official)—See item under "Water Supply-Irrigation."

✚**New York, N. Y.**—(Borough of Manhattan)—(Official)—A contract for changing sewers in Park Ave. has been awarded to the MELROSE CONSTRUCTION CO., at $4830. Noted Jan. 21 and Feb. 4.

New York, N. Y.—(Borough of Queens)—An appropriation of $115,000 has been made by the Board of Estimate and Apportionment for the construction of sewers in Richmond Hill, Borough of Queens.

★**Newark, N. J.**—(Official)—Bids were received Feb. 2 by the Passaic Valley Sewerage Commission for constructing Section 18, southerly portion of the Main Intercepting Sewer, as follows, (A) river bank route, (B) tunnel route: James Ferry & Sons, Inc., Baltimore, Md., (A) $335,886, (B) $335,991; Mason & Hanger Co., Inc., New York, N. Y., (A) $204,286, (B) $195,390; New York & New Jersey Construction Co., Newark, (A) $191,894, (B) $212,400, and Charles A. Haskin, Boston, Mass., $187,392. Noted Jan. 14.

Farmington, W. Va.—The Board of Trade contemplates constructing sewer and water systems. Howard Coleman is Secy.

Morehead City, N. C.—According to press reports the J. B McCrary Co., Atlanta, Ga., is receiving estimates on materials for the construction of sewers and water mains. The estimated cost is $24,000. Noted July 16.

Columbia, S. C.—(Official)—Bids will be received until Feb. 29 by F. C. Wise, Engr., Sewerage Dept., for extending the sewer system. The estimated cost of the work is $85,000. John McNeil is City Engr. Noted Jan. 7.

✚**Columbia, S. C.**—Contracts have been awarded to the HOPE ENGINEERING & SUPPLY CO., Pittsburgh, Penn., at $28,405, for constructing sewer and water mains and to LORICK & LOWRANCE, Columbia, at $5543, for sewer pipe. F. C. Wise is Engr. Noted Jan. 7 and 21.

✚**Hapeville, Ga.**—The contract for constructing sewers has been awarded to CASE & COTHRAN, Chandler Bldg., Atlanta, Ga. Noted Sept. 17.

Clearwater, Fla.—Bids will be received until Feb. 17 by the city for constructing a sewer system, the estimated cost of which is $23,000. Plans are on file with J. N. Drew, City Engr. Noted July 9 and Nov. 19.

✚★**Manatee, Fla.**—The contract for constructing a sewer system and a water system has been awarded to R. M. HUDSON, Atlanta, Ga. Frank J. Fagan is City Engr. Noted Nov. 19.

Mobile, Ala.—The city budget for 1915 includes an appropriation of $10,000 for the improvement of the sewer system. Wright Smith is City Engr.

Lexington, Ky.—White Guyn, City Engr., has recommended to the City Commissioners the extension of the North Side main sewer to North Limestone St. The estimated cost is $15,188.

★**Lodi, Ohio**—(Official)—Bids will be received until noon, Feb. 16, by G. C. Rice, Village Clk., for constructing a sanitary sewer system and sewage disposal plant. L .E. Chapin is Engr. Noted Dec. 10.

Bradley, Ill.—Plans are being prepared by the Etna Engineering Bureau, 17 North La Salle St., Chicago, for constructing a sewer system. The estimated cost of the work is $120,000.

East St. Louis, Ill.—The Board of Public Improvements contemplates constructing the Kansas-Division Ave. sewer, estimated to cost $10,284.

Beaver Dam, Wis.—According to press reports plans are being prepared by C. P. Parsons, Watertown, Wis., for constructing a sewer system.

✚**Racine, Wis.**—The contract for constructing the 21st St. sewer has been awarded to E. R. HARDING CO., Racine, Wis., at $86,822.

Sisseton, S. D.—(Official)—Bids will be received until 2 p.m., Mar. 2, for constructing six miles of sewers and a sewage treatment plant. The Dakota Engineering Co., Mitchell, S. D., is Engr.-in-Charge.

Heber Springs, Ark.—The City Council contemplates constructing a sewer system.

Cleburne, Tex.—An election will be held Mar. 6 to vote on the question of issuing $180,000 in bonds for constructing a sewer system.

Drumright, Okla.—Press reports state that, at a recent election, the citizens voted in favor of issuing $20,000 in bonds for constructing sewers.

Pueblo, Colo.—(Official)—See item under "Streets and Roads."

✝Moscow, Idaho—According to press reports a contract for constructing a three-mile extension to the present sewer system has been awarded to the WITTER-FISHER CO., Moscow.

✝Bakersfield, Calif.—A contract for constructing clay pipe sewers in Districts 22 and 23 has been awarded to WILLIAM J. TOBIN, 735 Filbert St., Oakland, at $8285.

Corning, Calif.—(Official)—At the election held Jan. 12 the citizens voted in favor of issuing $24,000 and $60,000 in bonds for extending the sewer and water systems respectively. Noted Jan. 7.

✝Los Angeles, Calif.—The contract for constructing a sewer in Denker Ave. between Slawson Ave. and 57th St. has been awarded to A. T. BRINK, at $9998.

Oakland, Calif.—Press reports state that the City Council contemplates constructing about four miles of sewers in the Leona Heights District. The estimated cost is $16,000.

Ontario, Calif.—(Official)—Bonds for $55,000 were sold Feb. 1, the proceeds of which will be used for constructing sewers. Noted Jan. 14.

✝South Pasadena, Calif.—A contract for constructing a portion of the sewer system has been awarded to WATTSON & SPICER, Wright & Callender Bldg., Los Angeles, at $31,639.

St. Thomas, Ont.—Plans have been prepared by W. N. Ferguson, Engr., for the construction of a storm sewer system. The estimated cost of the work is $45,000.

Oak Bay, B. C.—The City Council contemplates an expenditure of $30,000 for constructing a sewer. F. W. Clayton is Clk.

GARBAGE

Manchester, N. H.—The Council has adopted the report of the Commission on Streets and Sewers recommending an appropriation of $150,000 for the construction of a garbage incinerator. Noted Sept. 24.

✝Boston, Mass.—(Official)—The following contracts have been awarded by the Public Works Department for the collection of offal in East Boston, Brighton, West Roxbury and Hyde Park districts: (prices are per month) JOHN T. LANE CO., $585; P. J. REID CORPORATION, $490; JOHN NEWBURY, $265; CHARLES TATE, $117, respectively. Contracts were also awarded for the collection of ashes in East Boston, Brighton, West Roxbury, Dorchester and Hyde Park districts: ANGELO SILENO, $1035; A. J. & G. H. McMURTRY, $1070; M. McGINNIS & CO., $574; JOHN J. BRADLEY, $4394; THOMAS LOUGHLIN & CO., $324, respectively. Noted Jan. 14.

Saginaw, Mich.—Thomas Craney, Bay City, has petitioned the City Council for the privilege of erecting a garbage disposal plant and the contract for the city's work.

Rock Island, Ill.—Press reports state that the city is about to award the contract for the installation of a garbage incinerator. Noted Dec. 3.

STREETS AND ROADS

✝Lockport, N. Y.—(Official) — Contracts for constructing county roads Nos. 14 and 15 have been awarded to F. J. MUNN CONTRACTING CO., 176 Best St., Buffalo, at $26,257 and $65,259, respectively. Noted Jan. 21.

New Rochelle, N. Y.—The City Council has voted to improve Hilltop Ave., St. Paul Pl. and Eastchester Rd.

✝New York, N. Y.—(Borough of Brooklyn)—(Official)—The contracts for improving Front St. from Adams to Bridge St. and Hudson Ave. from Nassau to De Kalb St. has been awarded to W. J. SCANLAN CO., 1 Union Sq., at $12,186 and $32,407 respectively. Noted Jan. 24 and Feb. 4.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids were received Feb. 4 by President of the Borough for regulating and regrading 155th St. from Broadway to Riverside Drive and for widening a section of Riverside Drive as follows: H. Britton, $37,617; W. A. Mitchell, $46,330; Beaver Engineering & Contracting Co., 51 Chambers St., New York, $39,552; S. Russell, Inc., $46,469; Rosenthal Engineering Co., $37,131; H. E. Fox Construction Co., $31,001; M. Di Menna, $23,650; J. Balaban, $37,697; P. J. Duffy, $38,947; N. Di Menna, $36,117; Burnside Contracting Co., $46,693; C. A. Meyers, $59,831; McHarg Barton Co., 171 Madison Ave., $47,613. Noted Jan. 28.

Rochester, N. Y.—The Common Council contemplates paving Syke St. and Culver Rd. with asphalt. Estimated cost, $80,000.

Stony Point, N. Y.—Bonds for $20,000 were sold, the proceeds of which will be used for constructing and improving roads.

Bayonne, N. J.—The City Council has approved a bond issue of $75,000 to be used for improving and repairing streets.

Newark, N. J.—According to press reports the Board of Street and Water Commissioners plans to pave sections of various streets with granite block and asphalt.

Trenton, N. J.—The State Road Department has made appropriations for road work in Mercer County as follows: River Rd., $33,750; Brunswick Pike, $13,000; White Horse Pike, $6500; Nassau St., Princeton, $5000.

Archbald, Penn.—Bids will be received some time in March by the City Council for brick paving and concrete curbing. The estimated cost of the work is $80,000. James F. Philbin is Secy. of the Council.

★Wilkes-Barre, Penn.—(Official)—Bids will be received until noon, Mar. 12, by Fred H. Gates, City Clk., for curbing and paving a number of streets.

Lovingston, Va.—The citizens of Lovingston Magisterial District of Nelson County will vote Feb. 28 on the question of issuing $30,000 in bonds for improving roads.

✝Lynchburg, Va.—A contract for constructing 1.1 miles of concrete sidewalks has been awarded to JONES & MILLER, Lynchburg.

Pulaski, Va.—Bonds for $80,000 have been sold, the proceeds of which will be used for paving. Noted Sept. 10.

Moundsville, W. Va.—The Commissioners of Marshall County contemplate an expenditure of $50,000 for improving Fairmont Pike in Union District.

Wilmington, N. C.—Bids will be received until Feb. 20 by L. W. Moore, Comr. of New Hanover County, for constructing 7½ miles of clay-gravel roads. J. L. Becton, Wilmington, is Engr.

Orangeburg, S. C.—(Official)—Bids will be received until noon, Feb. 12, by the City Council for grading and paving Courthouse Sq., Church and South Broughton St. L. H. Wannamaker is City Clk. and Edward Howes, Jr., is City Engr.

✝Baton Rouge, La.—The contract for improving roads in Road District No. 2 has been awarded by the Police Jury of East Baton Rouge to N. M. GEORGE, at $100,918.

Chattanooga, Tenn.—The Commissioners of Hamilton County will build a roadway on McCallie Ave. from Dodd Ave. to the Missionary Ridge tunnel. The estimated cost of the work is $14,000. L. B. Bryan is County Engr.

Jellico, Tenn.—Bids will be received until Mar. 2 by A. B. Mahan, Secy. County Road Comn., for the sale of $150,000 in bonds for constructing and improving roads.

Maryville, Tenn.—The citizens of Blount County will vote Feb. 13 on the question of issuing $300,000 in bonds for grading and macadamizing roads.

Arlington, Ohio—The City Council has voted in favor of improving Main St., at an estimated cost of $16,000.

✝Barberton, Ohio—A contract for paving two streets has been awarded to PAUL & HENRY at $6500.

Berlin Heights, Ohio—Bids will be received until Feb. 20 by T. M. Elson, Township Clk., for the sale of $30,000 in bonds, the proceeds of which will be used for improving roads.

Bexley, Ohio—(Columbus post office)—At the election held Jan. 28 the citizens voted in favor of issuing $35,000 in bonds for improving roads. Noted Jan. 14.

✝Cleveland, Ohio—The contract for improving the Eastern Blvd. has been awarded by the Board of Control to the WALSH CONSTRUCTION CO., Davenport, Iowa, at $9500.

East Youngstown, Ohio—Bids will be received until noon, Feb. 15, by C. R. Anderson, Village Clk., for improving Devitt St.

Lagrange, Ohio—Bids will be received until Feb. 13 by H. J. Ryan for improving the public square.

Middletown, Ohio—Plans will soon be prepared for paving South Main and North Main St.

Mount Gilead, Ohio—Bids will be received until noon, Mar. 5, for improving and macadamizing Benton and Blackbird Rd. in Morrow County. C. O. Higgins is County Audr.

Indiana—(Official)—Bids will be received for constructing roads in Indiana as follows:

Evansville, until 10 a.m., Feb. 25, by the Commissioners of Vanderburg County for constructing a rock road in Knight Township. C. P. Beard is County Audr.

Greensburg, until 1 p.m., Mar. 1, by the Commissioners of Decatur County for constructing roads in Sandcreek, Clay and Clinton Townships. Linton W. Sands is County Audr.

Salem until 1:30 p.m., Mar. 1, by the Commissioners of Washington County for constructing a road on Washington and Jefferson Township line. Ira H. Rutherford is County Audr.

Brownstown, until 2 p.m., Mar. 2, by the Commissioners of Jackson County for constructing a gravel road in Jefferson Township. George W. Stwalley is County Audr.

✝Brazil, Ind.—A contract for constructing the Cooprider and Bemis Rd. has been awarded to CROUSE & SCHAUWECKER, Clay City, at $11,532 and $7641 respectively. Noted Jan. 14.

Evansville, Ind.—(Official)—No contract was awarded Feb. 4 by the Commissioners of Vanderburg County for constructing a rock road in Center Township. Noted Jan. 21.

✝Rensselaer, Ind.—A contract for constructing a stone road in Carpenter Township has been awarded to W. F. SMITH & CO., at $9000.

Big Rapids, Mich.—The citizens of Mecosta County will vote Apr. 5 on the question of issuing $200,000 in bonds for road work.

Dundee, Mich.—Bids will be received until Feb. 23 by the Board of Village Trustees for improving Monroe St. George Champe, Toledo, Ohio, is Engr.

Lapeer, Mich.—Press reports state that the citizens of Lapeer County will vote Apr. 5 on the question of issuing $400,000 in bonds for constructing and improving roads.

Muskegon, Mich.—Plans are being prepared by Harry N. Beck, City Engr., for paving Beidler, Giddings and Erickson St.

Alton, Ill.—According to press reports plans are being prepared by J. E. Schwaab, City Engr., for paving the main streets of Upper Alton. The estimated cost is $300,000.

✝Belleville, Ill.—The contract for paving in the Spring St. District has been awarded to HOEFFKEN BROS., Belleville, at $20,289.

✝Champaign, Ill.—Contracts for paving West White and West Healy St. has been awarded to STIPES & PILCHER, Champaign, at $28,136 and $26,066 respectively. Noted Oct. 22.

Jefferson, Wis.—Bids will be received until 1 p.m., Feb. 20, by the Board of Public Works for improving Main, Milwaukee, First and Dodge St.

Wausau, Wis.—The City Council contemplates paving Forest St. and Grand Ave. with brick, at an estimated cost of $25,000.

West Liberty, Iowa—Bids will be received until Feb. 16 by the Town Council for paving Third, Fourth, Calhoun and Spencer St. Benton R. Anderson, West Liberty, is Engr.

✚Edina, Mo.—A contract for paving 15,000 sq.yd. with brick has been awarded to the A. JAICKS CO. Noted Dec. 17.

Cameron, Tex.—The City Council contemplates improving various streets at an estimated cost of $15,000.

✚San Antonio, Tex.—A contract for paving Hickman, Krempkau and Hess St. with concrete has been awarded to O. C. CHAPIN.

Victoria, Tex.—Press reports state that an election will soon be held to vote on the question of issuing $30,000 in bonds for improving streets.

Yoakum, Tex.—At a recent election, the people voted in favor of issuing $50,000 in bonds for constructing roads in the Yoakum precinct of De Witt County.

Pueblo, Colo.—(Official)—Bids will be received until Feb. 15 by D. P. Gaymon, City Engr., for constructing 104,000 ft. of curb and gutter, 197,000 sq.yd. of gravel pavement and 22,000 ft. of 10- to 36-in. sewers. Noted Jan. 7.

Pendleton, Ore.—Press reports state that the county road, Umatilla County, from German Hall to Cold Springs Landing, will be hard surfaced. The work covers 18 miles and is estimated to cost $15,000 per mile.

Portland, Ore.—According to press reports, an election will soon be held to vote on the question of issuing $1,000,000 in bonds for hard-surfacing 65 miles of road in Multnomah County. Plans are being prepared by John B. Yeon, Roadmaster.

Portland, Ore.—Bids were received for paving Front St. from Glisan to Park St. with basalt stone blocks, as follows: Jeffery & Bufton, $7932; Giebisch & Joplin, $8065; F. H. Howard, $8780; James Kennedy, $8384; Montague-O'Reilly Co., $8284.

✚East San Diego, Calif.—According to press reports a contract for improving Thomas, Orange Ave., Achilles Drive, Anna, Klauber and other streets has been awarded to E. A. McALPIN, at $19,386.

✚Los Angeles, Calif.—The contract for improving Elza Ave. from Minnehaha St. to Sunset Heights has been awarded to WATTSON & SPICER, at $5051.

Manhattan, Calif.—Bids will be received until 7:30 p.m., Feb. 17, by Charles E. Jenkins, City Clk., for improving Fifth, 14th, Center and 30th St.

San Bernardino, Calif.—Bids will be received until 11 a.m., Feb. 15, by L. R. Potty, County Clk., for the sale of $500,000 in bonds for improving highways.

Visalia, Calif.—The Commissioners of Tulare County contemplate an expenditure of $600,000 for constructing highways and bridges.

Dorval Station, Que.—Bids will be received some time in March by the Town Council for constructing bituminous macadam pavement.

Hamilton, Ont.—The City Council contemplates paving Charlton Ave. from James to Bay St. with asphalt, at an estimated cost of $9577.

Victoria, B. C.—The City Council contemplates an expenditure of $300,000 for paving various streets.

INDUSTRIAL WORKS

Lubec, Maine—Bids will be received about Mar. 1 for the construction of a three-story, 80x148-ft. reinforced-concrete factory for the American Can Co., Tenth Ave. and 14th St., New York, N. Y. The estimated cost is $60,000.

✚Boston, Mass.—The contract for the construction of a building on Cottage near Dudley St., Roxbury District, for the Grocers' Baking Co., has been awarded to McDONALD & RIVELL, 155 Milk St. The estimated cost is $150,000. McFarland & Colby, 46 Cornhill St., is Arch. Noted Dec. 3.

Watertown, Mass.—(Official)—Walter J. Bitterlich informs us that the Hood Rubber Co. will construct a four-story, reinforced-concrete storage building.

Buffalo, N. Y.—Plans are being prepared by Condron Co., Engrs., 63 West Jackson Blvd., Chicago, Ill., for the construction of a four-story, 200x450-ft. assembling plant at Main St. and the New York Central R.R. Belt Line, for the Ford Motor Co. The estimated cost is $400,000. Noted Nov. 12.

Letchworth Village, N. Y.—(Thiells post office)—(Official)—The following bids were received for the construction of a laundry building: Simon Russek, Inc., $33,420; William H. Egan, $34,991; Harriman Industrial Corporation, $36,770; McCann Building Co., $38,700; Peter Keeler Building Co., $40,822; D. W. Dean, $41,175; Carleton Co., $41,540; J. F. Crowe Construction Co., $42,975; Nial Bros. Construction Co., $46,113. Frank A. Vanderlip, Letchworth Village, is Pres. Bd. of Mgrs. Noted Jan. 14.

Lockport, N. Y.—Plans are being prepared by James R. Tyler, Arch., Insurance Bldg., Rochester, for the construction of a two-story, 70x85-ft. addition to the Harrison Radiator Works. Oliver Diahl is Pres. Noted Nov. 12.

✚Jersey City, N. J.—(Official)—The TURNER CONSTRUCTION CO., 11 Broadway, New York, N. Y., has been awarded the contract for the construction of a nine-story, 79x103-ft. reinforced-concrete extension to the warehouse on Bay St., for the Great Atlantic & Pacific Tea Co. Timmis & Chapman, 315 Fifth Ave., New York, N. Y., is Arch.

✚Newark, N. J.—The Committee on Public Buildings has awarded the contract for the construction of the Center St. Market, to the ESSEX CONSTRUCTION CO., Newark, at $560,700.

✚Newark, N. J.—H. M. DOREMUS CO., 36 Orange St., has been awarded the contract for making additions and alterations to the building on Ferry and Christie St. for P. Ballantine & Sons. The estimated cost is $20,000. J. W. Gulick, 58 Freeman St., is Supt.

✚Baltimore, Md.—The contract for the construction of a 315x215-ft. warehouse for the Baltimore Gas Appliance & Mfg. Co., Bayard and Hamburg St., has been awarded to the B. F. BENNETT BUILDING CO., 123 South Howard St. Noted Dec. 24.

✚Canton, Md.—(Official)—The TURNER CONSTRUCTION CO., 11 Broadway, New York, N. Y., has been awarded the contract for the construction of a two-story, 50x200-ft., reinforced-concrete building for the Standard Oil Co. of New Jersey.

Icard, N. C.—(Hickory post office)—The Icard Mfg. Co., recently incorporated with a capital of $125,000, will construct a 50x200-ft. factory.

Henderson, Ky.—(Official)—Brinton B. Davis, Arch., Louisville, informs us that construction will begin about Feb. 15 on the two-story, 80x140-ft. factory for the American Basket & Crate Co. The estimated cost is $25,000. Noted Jan. 28.

✚Barberton, Ohio—Press reports state that the contract for the construction of a number of buildings for O. C. Barber, for the manufacture of cement, has been awarded to A. M. SCHOFIELD, Tenny St., Amherst. The estimated cost is $500,000.

✚Cleveland, Ohio—The contract for the construction of a one-story, 100x120-ft. addition to the plant of Chandler Motor Car Co., East 131st St. and St. Clair Ave., has been awarded to BOLTON-PRATT CO., 902 Columbia Bldg. Ernest McGeorge, Leader-News Bldg., is Arch.

✚Cleveland, Ohio—McCLINTIC-MARSHALL CONSTRUCTION CO., Oliver Bldg., Pittsburgh, Penn., has been awarded the contract for the construction of a one-story mill for the Empire Rolling Mills Co. The estimated cost is $500,000. Noted Dec. 10.

Ravenna, Ohio—Plans have been revised by George S. Rider & Co., Arch., 502 Century Bldg., Cleveland, for the construction of a two-story, 117x159-ft. and a one-story, 50x175-ft. dyehouse for the Cleveland Worsted Mills Co. The estimated cost is $200,000. G. H. Hodgson, 5900 Broadway, Cleveland, is Mgr.

Toledo, Ohio—The Banting Machine Co., was recently incorporated with a capital of $400,000. The company plans to construct a plant for the manufacture of threshing machinery. C. C. Banting J. F. Sanders and John Auxter are interested.

Chicago, Ill.—The Midland Warehouse & Transfer Co., 1929 West 43rd St., will construct a warehouse at 15th St. and the Chicago Junction Ry. The estimated cost is $600,000.

Milwaukee, Wis.—Bids are being received by Herman J. Esser, Arch., Camp Bldg., for the construction of a three-story, 40x140-ft. factory and warehouse at Mineral and Barclay St. for Seeboth Bros., 111 Reed St. The estimated cost is $35,000. Noted Jan. 28.

Milwaukee, Wis.—Bids will be received about Feb. 15 by Klug & Smith, Arch. and Engr., Mack Bldg., for the construction of a seven-story 75x130-ft. addition to the warehouse of John Pritzlaff Hardware Co., 33-67 West Water St.

St. Paul, Minn.—Plans have been prepared for the construction of a packing plant for the Farmers Terminal Packing Co. The estimated cost is $1,000,000. The American Society of Equity and F. A. S. Price, Mgr. of the Farmers' Coöperative Packing Co., La Crosse, Wis., are interested.

Wichita, Kan.—The Reed Self-Adjusting Weather Strip Co. will construct a 125x140-ft. plant at Pine St. and St. Francis Ave. The estimated cost is $25,000. U. G. Reed is Pres. and L. C. Tillotson, Sheetz Blk., Douglas Ave. and Market St., is Secy.

Layton, Utah—The Knight Sugar Co., Ltd., Raymond, Alta., will construct a factory near Layton. The estimated cost including machinery is $500,000. E. P. Ellison, Layton, is interested.

Kalama, Wash.—The Mountain Timber Co. plans to rebuild its plant recently destroyed by fire. The plant will have a capacity of 250,000 ft. per day. The estimated cost is $300,000. E. C. Strode, Lincoln, Neb., and Coy Burnett, Portland, Ore., are owners.

Kirkland, Wash.—The Washington Film Co., Washington Bldg., Seattle, has purchased a site and plans to construct a moving picture plant. The estimated cost is $25,000.

Seattle, Wash.—The California Paper & Board Mills, San Francisco, Calif., will construct a plant for the manufacture of box board. It will have a capacity of 20 tons and will cost about $250,000. C. H. Meyers, Seattle, is Representative.

✚Los Angeles, Calif.—The contract for the construction of a one-story, 65x96-ft. reinforced-concrete building on North Main St. for the Los Angeles Brewing Co. has been awarded to the NATIONAL FIREPROOFING CO., Central Bldg., at $19,000. The entire cost is estimated at $30,000.

Los Angeles, Calif.—Plans are being prepared by W. J. Dodd, Arch., Marsh-Strong Bldg., for the construction of a four-story, reinforced-concrete warehouse on Bay St. for the H. R. Boynton Co. H. E. Bean, 717 Central Bldg., is Engr. The estimated cost is $100,000.

Los Angeles, Calif.—The California Fruit Growers' Exchange, 510 Battery St., San Francisco, plans to organize a subsidiary company with a capital of $100,000. The company will construct a plant for the manufacture of by-products from inferior citrus fruit. G. Harold Powell is Gen. Mgr.

Los Angeles, Calif.—The Southwestern Portland Cement Co., El Paso, Tex., plans to construct a plant at Los Angeles. The estimated cost is $400,000.

Los Angeles, Calif.—Plans have been prepared by George Low, Supervising Arch. of Los Angeles County, for the construction of a group of buildings for the County Hospital. The group includes a 50x150-ft. machine shop, a 56x150-ft. garage, a 50x150-ft. mill building and 50x150-ft. paint shop.

Oakland, Calif.—Bids will soon be received for the construction of a plant for the Shredded Wheat Biscuit Co., Niagara Falls, N. Y. Noted Sept. 10 and Oct. 29.

Sacramento, Calif.—(Official)—E. C. Hemmings, Arch., informs us that bids will be received about May 1 for the construction of a four-story creamery and salesroom on K near 15th St. Noted Jan. 21.

Kingston, Ont.—Davis & Co. plans to rebuild its tannery recently destroyed by fire. The estimated cost is $80,000.

Lindsay, Ont.—The plant of the Horne Bros. Milling Co., William and Bond St., which was recently destroyed by fire with a loss of $100,000, will be rebuilt.

Calgary, Alta.—J. C. Boyle plans to construct a reinforced-concrete and brick packing plant. The estimated cost is $1,000,000.

Knik, Alaska—Plans have been prepared by J. S. Arnot, Arch., L. C. Smith Bldg., Seattle, Wash., for the construction of a packing plant for the Deep Sea Salmon Co., L. C. Smith Bldg., Seattle. The plans include a 40x150-ft. warehouse. Estimated cost, $50,000.

FEDERAL GOVERNMENT WORK

Post Office—Brattleboro, Vt.—Bids will be received by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Mar. 22, for constructing a three-story brick and stone post office at Brattleboro. Noted Dec. 10.

Post Office—Greenfield, Mass.—Bids will be received by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Mar. 15, for the construction of a two-story brick and stone post office.

Gate Houses and Storehouse—Buffalo, N. Y.—Bids will be received by Col. J. G. Warren, Federal Bldg., Buffalo, until Feb. 20, for constructing six gate houses and a storehouse at the U. S. Ship Canal lock, Black Rock Harbor, Buffalo.

★**Motor Launch**—New York, N. Y.—Bids will be received by Col. W. M. Black, Room 710 Army Bldg., 39 Whitehall St., New York, until noon, Feb. 15, for constructing a motor launch.

★★**Dredging**—New York, N. Y.—The contract for dredging in the Hudson River Channel has been awarded to the MORRIS & CUMMINGS DREDGING CO., New York, N. Y., at $65,-530. Noted Dec. 31.

Repairing Vessel—New York, N. Y.—(Borough of Richmond)—Bids will be received by J. T. Yates, Lighthouse Inspector, Tomkinsville, S. I., until 2 p.m., Feb. 24, for repairing U. S. Light Vessel No. 51.

Dredging—New Jersey—Bids will be received by Col. Frederick V. Abbot, Army Bldg., 39 Whitehall St., New York, N. Y., until Feb. 19, for dredging in Woodbridge Creek, Raritan Bay, and the Shrewsbury River, N. J.

Elimination of Grade Crossing—Washington, D. C.—Plans are being prepared in the office of the Commissioners of the District of Columbia for eliminating the grade crossing at Bennings, D. C., at an estimated cost of $110,000.

Building—Washington, D. C.—Plans are being prepared in the office of the Commissioners of the District of Columbia for the construction of the Parkview School, at an estimated cost of $132,000. Bids will be opened about Mar. 20.

Retaining Wall—Washington, D. C.—Bids will be received until 2 p.m., Mar. 3, at the office of the Superintendent of United States Public Buildings and Grounds, Washington, D. C., for the construction of a retaining wall along the West 16th St. side of Meridian Hill Park, between W and Euclid St., N. W.

Sewer Construction—Washington, D. C.—Bids will be received by the District Commissioners, District Bldg., Washington, until 2 p.m., Feb. 15, for the construction of sewers.

Floating Crane—Portsmouth, Va.—The date for receiving bids for furnishing the 150-ton floating revolving crane for the Norfolk Navy Yard has been extended from Feb. 13 to 11 a.m., Feb. 27.

★**Steel Lock Gates**—Wheeling, W. Va.—The following are the bids received for furnishing and erecting steel lock gates for Dam No. 15, Ohio River: C. A. Turner, Inc., Pittsburgh, Penn., $31,583; Union Foundry & Machine Co., Pittsburgh, $33,291; Whitehead & Kales Iron Works, Detroit, Mich., $39,-941; Milwaukee Bridge Co., Milwaukee, Wis., $35,753; Independent Bridge Co., Pittsburgh, $29,098; Penn Bridge Co., Beaver Falls, Penn., $28,741; Alliance Structural Co., Alliance, Ohio, $30,091. Noted Jan. 7.

★**Dredging**—Wilmington, N. C.—Bids will be received by Maj. H. W. Stickle, U. S. Engineer Office, Wilmington, until noon, Mar. 9, for dredging in Neuse River waterway from Pamlico Sound to Beaufort Inlet and Beaufort Harbor.

✚**Building**—Fort Leavenworth, Kan.—The contract for the construction of the library at Fort Leavenworth has been awarded to Y. B. YOKAM, Leavenworth, at $44,000. Noted Dec. 24 and Jan. 21.

Fence—Sully's Hill National Park (Devil's Lake post office), N. D.—Bids were received for the construction of a fence around Sully's Hill National Park, fence to be six miles long and to include gates and small enclosures inside, from: Enterprise Iron Works, Indianapolis, Ind., $10.23 per rod; Thomas Young & Sons, Devil's Lake, N. D., $3.687 per rod. Noted Jan. 21.

★**River Bank Protection**—St. Louis, Mo.—Bids will be received by Col. C. McD. Townsend, Custom House, St. Louis, until 11 a.m., Mar. 10, for constructing about 10,000 lin.ft. of river bank protection.

Wire Fence—Fort Sam Houston, Tex.—Bids will be received until 11 a.m., Feb. 25, by the Constructing Quartermaster, for constructing a woven wire fence around the military reservation.

Dredging—Port Aransas, Tex.—Bids will be received by Lieut.-Col. C. S. Riche, U. S. Engineer Office, Galveston, Tex., until noon, Mar. 3, for dredging at Port Aransas and on the channel from Aransas Pass to Corpus Christi, Tex.

★**Canal Excavation**—Grand Junction, Colo.—Bids will be received by the U. S. Reclamation Service, Grand Junction, until Mar. 10 for about 640,000 yd. of excavation in the vicinity of Grand Junction and Fruita, Colo.

★★**Canal, Etc.**—Olathe and Delta, Colo.—The contract for the construction of the lower Selig extension canal and laterals has been awarded to the REYNOLDS-ELY CONSTRUCTION CO., Springville, Utah, and GEORGE F. & R. E. WEAR, Delta, Colo.

★**Pumping Plant**—Seattle, Wash—Bids will be received by Maj. J. B. Cavanaugh, Burke Bldg., Seattle, until noon, Mar. 15, for furnishing a pumping plant for the Lake Washington Canal Locks.

★**Post Office and Court House**—Pendleton, Ore.—Bids will be received by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Mar. 25, for constructing a three-story stone, terra cotta and brick post office and court house at Pendleton.

Plate Girder Spans—Montrose, Calif.—Bids will be received by the U. S. Reclamation Service until Feb. 17 for furnishing, painting and erecting four plate girder spans, 70 ft. each, for the West Canal Works, Uncompahgre Valley Project.

Launch and Hulls—San Francisco, Calif.—Bids will be received by W. H. Hart, Depot Quartermaster, until 2 p.m., Feb. 17, (a) for one hull, (b) for two hulls, (c) for the completion of one hull, (d) for the completion of two hulls, (e) for the construction of one launch.

✚**Dipper Dredge**—Panama—The contract for furnishing one dipper dredge has been awarded by the Panama Canal Commission to the BUCYRUS CO., South Milwaukee, Wis., at $375,000.

✚**Locomotive Cranes**—Pearl Harbor, H. T.—The contract for furnishing two 15-ton locomotive cranes for the naval station, Pearl Harbor, has been awarded to the AMERICAN HOIST & DERRICK CO., St. Paul, Minn., at $13,939. Noted Jan. 28.

MISCELLANEOUS

★**Subway**—Boston, Mass.—(Official)—Bids will be received until noon, Feb 25, by B. Leighton Beal, Secy., Boston Transit Commission, for the construction of Section H, Dorchester Tunnel. The work will be cut and cover. For details see advertisement under "Contracts to Be Let."

Concrete Mixers—Holyoke, Mass.—(Official)—The Board of Public Works has under consideration and has asked for an appropriation of $15,000 for the purchase of new cement and asphaltic concrete mixers. T. J. McCarthy is City Engr.

Barge Canal Work—Albany, N. Y.—(Official)—The following bids were received Feb. 2 by the Superintendent of Public Works for the construction of a harbor dockwall and two breakwaters, Oneida Lake, Cleveland, N. Y.: Clarence E. Gruner, Albany, $30,995; Henry P. Burgard, Fulton, $31,084; Barrally & Ingersoll, Rochester, $32,332; Eastover Construction Co., Inc., Utica, $35,904; C. R. Stimpson, New York, N. Y., $36,805; John F. Dolan Contracting Co., New York, N. Y., $37,-675.

Stadium—Buffalo, N. Y.—The Board of Councilmen has passed a resolution directing the Commissioner of Public Works to prepare reports on the probable cost of a stadium having a capacity of 50,000.

★**Greenhouses**—Ithaca, N. Y.—(Official)—Bids will be received until noon, Feb. 23, by E. L. Williams, Comptroller, Cornell University, for the construction of greenhouses and installing the heating plumbing and electric work at the New York State College of Agriculture.

★**Sanitary Work**—Rochester, N. Y.—(Official)—Bids will be received until 2:30 p.m., Feb. 18, by the State Hospital Commission, Capitol, Albany, for installing the sanitary work in the North Building of the Rochester State Hospital.

Station and Ferry Houses—Camden, N. J.—The City Council has approved plans of the Atlantic City Ry. for the construction of a 60x158-ft. temporary station and a 68x115-ft. ferry house. Fire recently destroyed the former buildings.

Fire Station—Edgewater, N. J.—The city plans the construction of a new fire station. The estimated cost is $12,000.

Fire Apparatus—Union, N. J.—(Official)—Bids will be received until 8 p.m., Feb. 15, by the Board of Councilmen for furnishing the fire department with new apparatus. Emil Bantz is Town Clk.

✚**Stripping**—Nanticoke, Penn.—The Delaware, Lackawanna & Western R.R. Co. has awarded a contract to J. M. BURKE for stripping at the Bliss Colliery.

Drainage—Newbern, N. C.—R. R. Eagle, Engr., has prepared plans for the construction of a drainage system in the Newbern Drainage District, recently organized. The estimated cost is $20,000. George D. Dail is Secy.

Signal Towers—Pelham, N. C.—The Southern Ry., Washington, D. C., will install electric automatic block signals between Pelham and Denim, N. C., and 43 signal towers. W. H. Wells is Ch. Engr.

Drain—Parish, Fla.—Charles S. Hill, Engr., Palmetto, will finish the survey for the construction of the Gamble Creek Drain about May 15. Estimated cost, $125,000.

Wharf—St. Petersburg, Fla.—Bids will be received until Feb. 15 by the City Commissioners for the construction of a wharf parallelling the shore line of Dock No. 1.

Amusement Park—Anniston, Ala.—The Wall Amusement Co., Birmingham, is reported to be contemplating an expenditure of $50,000 to construct amusement devices at Oxford Lake and Hobson City Park including; roller coaster, miniature railroad, "razzle-dazzle" and remodeling hotel pavilion.

✚**Ditch**—Calhoun, Ky.—The contract for the improvement of Porter's Ditch has been awarded to J. N. FORGY, Owensboro, at $12,777.

Bath House—Cincinnati, Ohio—Louis G. Dittoe, Arch., has been commissioned to prepare plans for the construction of a municipal bathhouse at 13th and Spring St. The estimated cost is $28,000.

✚**Pier Reconstruction**—Michigan City, Ind.—The contract for the reconstruction of the east pier, Michigan City harbor, has been awarded to BURK, SMITH & NELSON, Muskegon, Mich., at $25,279.

✚**Ditch**—Warsaw, Ind.—Contracts for the construction of the Mary White Ditch have been awarded to W. G. DILLINGHAM, at $4500 for dredging, and WALTER KLINE, at $5836 for tile.

★**Cement**—Springfield, Ill.—(Official)—Bids will be received until 11 a.m., Feb. 17, by the State Highway Commission for furnishing approximately 235,500 bbl. of cement for use in state road construction for the year 1915. William W. Marr is Ch. Engr. State Highway.

Steam Roller, Sweeper and Distributor—Edgerton, Wis.—The County Board of Supervisors has instructed the Highways Committee to purchase a steam road roller, oil distributor and revolving road sweeper.

✚Crib Work—Milwaukee, Wis.—The Park Board has awarded the contract for constructing 1700 lin.ft. of protection cribbing along the lake shore from Wisconsin St. to Juneau Ave. to the E. GILLEN DOCK, DREDGE & CONSTRUCTION CO., Racine, at $59,840. Noted Jan. 14.

Creek Improvement—Duluth, Minn.—Plans have been prepared for changing the course of Mission Creek. Three reinforced-concrete bridges will also be constructed in connection with the work. Estimated cost, $25,772. John Wilson is City Engr.

Ditch—Olivia, Minn.—Bids will be received until Feb. 16 by the County Auditor for the construction of County Ditch No. 57. Estimated cost, $13,000.

✚Ditch—Stillwater, Minn.—The contract for the construction of Judicial Ditch No. 4 has been awarded to SCHULTZ & BIECK, Clarion, Iowa, at $16,495. N. A. Nelson is County Audr. Noted Jan. 21.

Ditch—Walker, Minn.—Bids will be received until Feb. 15 by C. D. Bacon, County Audr., for the construction of Judicial Ditch No. 2. The work will include 290,961 cu.yd. of earth excavation in Hubbard, Cass and Wadena Counties. Estimated cost, $33,039.

Drainage—Kansas City, Kan.—Bids will be received until Feb. 26 by the Board of Directors of the Kaw Valley Drainage District for excavating about 1,000,000 cu.yd. of material in the channel of the Kansas River. T. E. Meyers is Pres. of the Bd. P. J. Broll is Secy.

River Improvements—Brookings, S. D.—Homer N. Derr, State Engr., Pierre, has completed a report on the straightening of the Sioux River west of Brookings. The estimated cost will be from $87,500 to $105,000, according to length and depth.

Drainage—Victoria, Tex.—Surveys have recently been completed for a drainage system in the Victoria County Drainage District No. 3, comprising 104 sq. miles. A bond issue of $200,000 will soon be voted on.

Pipe Line—Tulsa, Okla.—Press reports state that the McMann Oil Co., Tulsa, will construct an eight-in. pipe line from Cushing to Addington, Okla. The estimated cost is $1,000,000.

Drainage—Reno, Nev.—The farmers of the Truckee Meadow District have completed plans for the formation of a drainage district to drain 8000 acres of land. The estimated cost is $15,000.

✚Dredging—Seattle, Wash.—Press reports state that the Port of Seattle Commission has awarded the contract for dredging and filling the canal waterway from Second to Ninth Ave. to the SEATTLE & LAKE WASHINGTON WATERWAY CO., at 18c. per cu.yd. About 150,000 cu.yd. will be removed.

Ferry Improvements—Seattle, Wash.—The Port of Seattle Commission has decided to change its plans concerning the West Seattle ferry house. A four-story headhouse will be constructed instead of two stories. The estimated cost is $40,000.

✚Dredging—Tacoma, Wash.—The Inter-County River Commission has awarded the contract for dredging a seven-mile channel to CROSS, ROLLINS & CO., Seattle, at $250,000. It will be necessary to remove about 300,000 cu.yd. of material between Summer Highway bridge and the Indian School bridge. W. J. Roberts is Ch. Engr.

Crane and Dock Equipment—Portland, Ore.—The Commissioners of Public Docks have instructed G. B. Hegardt, Engr., to prepare plans and specifications for a 20-ton locomotive crane. It will be used at Municipal Dock No 1. The engineer has also been authorized to purchase equipment for Dock No. 2, which will be completed in March.

Wharf—Richmond, Calif.—Press reports state that bids will be received Feb. 15 by the City Council for the construction of Municipal Wharf No. 1. Estimated cost, $270,000. A. C. Faris is City Clk.

Wharf—Prince Rupert, B. C.—The Grand Trunk Pacific Co., according to press reports, contemplates the construction of a 150-ft. oil wharf.

BUILDINGS

Other items relative to Building Construction will be found under the following headings: "Industrial Works;" "Federal Government Work" and "Miscellaneous"

✚Lynn, Mass.—The contract for the construction of a three-story addition to the English High School has been awarded to C. S. CUNNINGHAM & SONS CONSTRUCTION CO. Estimated cost, $175,000. Wheeler & Johnson, 137 Broad St., is Arch.

Tufts College, Mass.—(Boston post office)—The Board of Trustees of the Tufts College contemplates the construction of a chemistry building to cost $100,000.

✚New Haven, Conn.—The contract for the construction of the Strong School has been awarded to LEWIS A. MILLER, at $109,300.

New Haven, Conn.—Plans have been prepared by L. W. Robinson, Arch., 42 Church St., for the construction of an addition to the office building of the Winchester Repeating Arms Co., Winchester Ave.

New York, N. Y.—(Borough of Bronx)—Goldner & Goldberg, 391 East 149th St., is preparing plans for the construction of a five-story apartment house at 178th St. and Prospect Ave., for the Jacob Bloom Realty Corporation, 1832 Clinton Ave. Estimated cost, $60,000.

New York, N. Y.—(Borough of Bronx)—Plans have been prepared by John P. Boyland, 2526 Webster Ave., for the construction of two five-story, 50x100-ft. apartment houses at College Ave. and 170th St., for the C. J. Casey Building Co., 1879 Southern Blvd. Estimated cost, $90,000.

New York, N. Y.—(Borough of Bronx)—Plans are being prepared by Harry T. Howell, 148th St. and Third Ave., for the construction of two five-story, 50x94-ft. apartment houses at Valentine Ave. and 184th St., for the Hargton Building Co. Estimated cost, $100,000.

New York, N. Y.—(Borough of Brooklyn)—Preliminary plans are being prepared for the construction of a new building for the Congregational Church of the Evangel, at Bedford Ave. and Hawthorne St. Estimated cost, $100,000. Albert E. Rorabach is Pastor.

✚New York, N. Y.—(Borough of Manhattan)—The contract for the construction of a four-story, 134x186-ft. Y. M. C. A. building at Washington Ave. and 161st St., has been awarded to the CAULDWELL-WINGATE CO., 381 Fourth Ave. Estimated cost, $225,000. Noted Jan. 21.

New York, N. Y.—(Borough of Manhattan)—Jardine, Hill & Murdock, Arch., 3 West 29th St., is preparing plans for the construction of a 21-story store and loft building at 313 Madison Ave. for August Heckseher. Estimated cost, $350,000.

New York, N. Y.—(Borough of Manhattan)—Mayer & Mayer, Inc., 30 West 29th St., contemplates the construction of a 13-story apartment house at West End Ave. and 80th St.

New York, N. Y.—(Borough of Manhattan)—C. B. Meyers, 1 Union Sq., has prepared plans for the construction of a six-story, 44x93-ft. apartment house at 146 West 19th St., for the Charles J. Weinstein Realty Co., 17 West 120th St. Estimated cost, $50,000.

New York, N. Y.—(Borough of Manhattan)—Plans are being prepared by Moore & Landseidel, 148th St. and Third Ave., for the construction of two five-story apartment houses on St. Nicholas Ave. near 145th St., for James O'Brien, 647 Sixth Ave. Estimated cost, $100,000.

New York, N. Y.—(Borough of Manhattan)—Plans are being prepared by Abraham Berres, 1484 St. Marks Ave., Brooklyn, N. Y., for the construction of a six-story apartment house on St. Nicholas Ave. near 145th St., for the Placid Realty Co., 3785 Broadway. Estimated cost, $120,000.

New York, N. Y.—(Borough of Manhattan)—Plans have been prepared by Clinton & Russell and Charles F. Post, Archs., 32 Nassau St., for the construction of a four-story, 44x115-ft. dormitory for female help at North Brothers Island. Estimated cost, $80,000.

New York, N. Y.—(Borough of Queens)—Albert Thompson, Arch., 1133 Broadway, New York, N. Y., is preparing plans for the construction of a building on Van Alst Ave., Long Island City, for the Degnon Contracting Co., 30 East 42nd St., New York. Estimated cost, $200,000.

★Newark, N. Y.—(Official)—Bids will be received until noon, Mar. 7, by Henry H. Stebbins, Pres. Bd. of Trustees, New York State Custodial Asylum for Feeble Minded Women, for the construction of a building. Lewis F. Pilcher, Capitol Bldg., Albany, N. Y., is State Arch.

Oyster Bay, N. Y.—Plans are being prepared by Morrell Smith, Bank Bldg., Far Rockaway, for the construction of an addition to the high school. Estimated cost, $75,000. John F. Birmingham, is Chn. Bd. of Education.

Saratoga Springs, N. Y.—Ludlow & Peabody, Arch., 101 Park Ave., New York, N. Y., is preparing plans for the construction of a two-story terminal building for the Hudson Valley R.R. Co. Estimated cost, $50,000.

Watervliet, N. Y.—Bids will be received by Demess, Mosley & Campaign, Troy, N. Y., for the construction of a three-story, 70x110-ft. City Hall at 15th St. and Broadway. Estimated cost, $45,000.

★West Haverstraw, N. Y.—(Official)—Bids will be received until noon, Mar. 4, by George Blagden, Pres. Bd. of Mgrs., New York State Hospital for Crippled and Deformed Children, for the construction of a building. Lewis F. Pilcher, Capitol, Albany, N. Y., is State Arch.

Jersey City, N. J.—Maximilian Zipkes, Arch., is preparing plans for the construction of a 100x150-ft. apartment house at Boulevard and Glenwood Ave., for the Zerman Realty & Construction Co. Estimated cost, $150,000.

Morristown, N. J.—Guilbert & Betelle, Arch., Newark, is preparing plans for the construction of a high school on Early Ave. Estimated cost, $168,000.

Union, N. J.—The Union Hill Turn Verein plans to rebuild the Turn Hall recently destroyed by fire.

Johnsonburg, Penn.—Clyde & Adams, Philadelphia, is preparing plans for the construction of a 150x200-ft. school. Estimated cost, $200,000.

Mt. Pocono, Penn.—The Directors of Mt. Pocono Hospital for Women contemplates the construction of a hospital near Mt. Pocono. Estimated cost, $100,000. A. J. Winebrake, M. D., Scranton, is interested.

Pittsburgh, Penn.—Bids will soon be received by the F. S. Schmeltz Co. for the construction of a three-story fireproof apartment house on Neville St. Estimated cost, $60,000.

Pittsburgh, Penn.—Plans are being prepared for the construction of a five-story fireproof building on Sandusky St. near Duquesne for Lodge No. 11, B. P. O. E. Estimated cost, $150,000. Frank P. Blackburn is Chn. of Bldg. Com.

Scranton, Penn.—John H. Howley, Arch., Traders Bank Bldg., is preparing plans for the construction of a one-story building for St. Michaels R. C. Church. Estimated cost, $40,000.

Scranton, Penn.—Plans are being prepared by John H. Howley for the construction of a two-story high school. Estimated cost $100,000.

Scranton, Penn.—(Official)—The Directors of the Scranton Life Insurance Co. contemplate the construction of an eight-story building at Adams and Spruce St.

Warren, Penn.—Plans are being prepared by Charles Wetmore, 16 East 42nd St., New York, N. Y., for the construction of a $100,000 library to be presented by J. P. Jefferson to the city.

Baltimore, Md.—The Northern Amusement Co. plans to construct a theater on North Ave. near Charles St. Estimated cost, $100,000.

✚Charlotte, N. C.—The contract for the construction of a 100x600-ft. store and office building on West First between Church and Mint St., for E. D. Latta and J. B. Duke has been awarded to the TRAVERS-WOOD CO. **Estimated cost, $250,000.** Noted Apr. 30, 1914.

New Orleans, La.—The construction of a **$150,000** office building for the Sewerage and Water Board is contemplated. George S. Earl is Gen. Mgr. of Bd.

✚Vivian, La.—The contract for the construction of a two-story high school for Caddo Parish has been awarded to JONES & HERRINGTON, Hot Springs, Ark., at **$60,000.** Noted Jan. 28.

Louisville, Ky.—Preliminary plans are being prepared for the construction of the Kentucky Baptist Children's Home Estimated cost, $250,000. S. E. Tull pastor of the First Baptist Church, Paducah, is Chn. of the Com.-in-Charge.

✚Louisville, Ky.—The contract for constructing a four-story, reinforced-concrete building at Brook and Market St. has been awarded to the ALFRED STRUCK CO. Estimated cost, $75,000. Joseph & Joseph is Arch. Noted Oct. 22.

Cincinnati, Ohio—The Board of Directors of the University of Cincinnati has had plans revised for the construction of a dormitory for women. The estimated cost is $150,000. Charles W. Dabney is Pres.

Cincinnati, Ohio—(Official)—Plans are being prepared by Elzner & Anderson, Arch., 136 Ingalls Bldg., for the construction of a Y. M. C. A. building. The estimated cost is $350,000. Noted Jan 21.

✚Cleveland, Ohio—The contract for the construction of five buildings on East 105th St. near Hough Ave. for the Jewish Hospital has been awarded to the REAUGH CONSTRUCTION CO., 2835 East 51st St. The estimated cost is $400,000. Noted Aug. 27.

Cleveland, Ohio—Bids will soon be received by Walker & Weeks, Arch., 1900 Euclid Ave., for the construction of a bank and commercial building at East 79th St. and St. Clair Ave. for the Garfield Savings Bank Co. The estimated cost is $60,000.

✚Columbus, Ohio—The contract has been awarded to the SELDON-BRECK CONSTRUCTION CO., East St. Louis, Ill., for the construction of the Deshler Hotel at Broad and High St. The estimated cost is $1,000,000. Wallick Bros., Broadway and 43d St., New York, N. Y., is lessee.

✚Warren, Ohio—The Board of Education has awarded the contract to J. C. DAVIDSON, Columbus, for the construction of four ward schools, at $120,000.

Detroit, Mich.—(Official)—Bids will be received about Apr. 1 for the construction of a clubhouse at Cass Ave. and Lafayette Blvd. for the Detroit Lodge of Elks. Noted Jan. 28.

Chicago, Ill.—W. W. Kimball Co. is having plans prepared for the construction of a building at Wabash Ave. and Jackson Blvd. The structure will be 16 stories, 109x122 ft. The estimated cost is $2,000,000.

Chicago, Ill.—Construction will begin about May 1 on the $200,000 clubhouse at 174 West Washington St. for the Chicago Lodge No. 4 of the B. P. O. E.

Quincy, Ill.—Press reports state that the Illinois State Charities Commission plans to construct a hospital at the Soldiers' and Sailors' Home, Quincy. The estimated cost is $50,000. E. H. Ochsner is Pres.

✚Madison, Wis.—(Official)—M. E. McCaffrey, Secy. of University of Wisconsin, informs us that the contract for the construction of the Soils Building has been awarded to T. C. McCARTHY, Madison, at $49,249. Other bids were received as follows: George R. Knuchie, $52,873; Zenith Construction Co., $51,500; General Construction Co., $52,924; Appleton Construction Co., $54,616, Gray Construction Co., $53,580; A. D. and J. V. Frederickson, $54,655; Fleisher-Rose Construction Co., $52,246; Wisconsin Construction Co., $52,000; Gust Holm, $54,358. Noted Dec. 24 and Jan. 28.

Madison, Wis.—Bids are being received by Fred L. Kronenberg, Arch., for the construction of a school in the Elmside District. The estimated cost is $75,000.

✚Milwaukee, Wis.—Frank M. Harbach, Secy., of Bd. of School Dir., awarded sub-contracts Jan. 28, for the construction of the Washington High School, as follows: RIESEN & RIESEN, University Bldg., masonry, $74,370; CONSOLIDATED STONE CO., cut stone, $31,886; ANTON J. RECHLIZ, sheet metal, $5763; AUGUST HOLSTEIN, carpentry, $45,290; WISCONSIN MANTLE & TILE CO., tile and marble, $36,900. The estimated cost is $365,000.

Missouri Valley, Iowa—Bids will be received about Mar. 1 by F. E. Colby, Arch., Sioux City, for the construction of a three-story, 90x140-ft. high school. The estimated cost is $80,000.

St. Paul, Minn.—(Official)—The Association of Commerce advises us that no action will be taken this year for the construction of a $500,000 home for working girls on Minnesota St. between 11th and 12th St. Noted Jan. 21.

St. Paul, Minn.—The Masonic Lodges of Minnesota will construct a home for old people. The estimated cost is $100,000.

Boston, Tex.—The Christian Endeavor Societies of the United States will begin construction, about Sept. 1, on the construction of an office building. The estimated cost is $500,000. Karl Lehmann, Boston, is Field Secy. and Francis E. Clark, Portland, Maine, is Pres.

✚Temple, Tex.—The contract for the construction of a wing to the Atchison, Topeka & Santa Fé Ry. Employees Hospital has been awarded to H. D. McCOY, Cleburne. The estimated cost is $50,000. Noted Aug. 6 and Dec. 24.

✚Seattle, Wash.—The contract for the construction of a two-story, 60x111-ft. building on Fourth Ave. and Seneca St. for the Northern Life Insurance Co. has been awarded to NEIL MacDONALD, Central Bldg. Estimated cost, $50,000.

Intercepting Sewer, Newark, N. J., Section 17—Central Portion

Bids were received Dec. 29, by the Passaic Valley Sewerage Commissioners, Newark, for construction Section 17, central portion, of the Main Intercepting Sewer from (A) Arthur McMullen, 149 Broadway, New York, N. Y.; (B) Cauldwell-Wingate Co., 381 Fourth Ave., New York, N. Y.; (C) Culp Co., Inc., Paterson, N. J.; (D) Fusco Construction Co., Newark, N. J.; (E) Merrill-Ruckgaber Co., 50 Church St., New York, N. Y.; (F) Harrison & Craig Co., Newark, N. J.; (G) Litchfield Construction Co., Newark, N. J.; (H) New York & New Jersey Construction Co., Newark, N. J. The item bids were as follows:

	A	B	C	D	E	F	G	H
2265 lin.ft. earth excavation and refilling, in trench, for 69-in. sewer	$41.00	$27.27	$32.03	$16.50	$22.00	$26.00	$16.30	$21.00
3307 lin.ft. earth excavation and refilling, in trench, for 65-in. sewer	32.50	22.75	32.03	17.00	22.00	16.30	16.30	18.00
390 lin.ft. excavation in earth, rock or earth and rock, in tunnel for 69-in. sewer	60.00	78.75	32.50	50.00	50.00	32.00	47.00	60.00
11,000 cu.yd. rock excavation in trench	1.00	2.00	0.01	4.00	1.50	2.75	2.50	0.01
4200 cu.yd. concrete masonry, in trench	8.00	8.60	6.00	8.50	8.00	8.00	8.50	9.00
500 cu.yd. concrete masonry, in tunnel	15.00	10.00	6.00	10.00	9.00	10.50	10.00	12.00
130 cu.yd. brick masonry in manholes	20.00	20.00	20.00	20.00	15.00	15.00	15.00	20.00
1000 lb. steel for concrete reinforcement	0.05	0.05	0.05	0.05	0.05	0.04	0.03	0.03
1000 ton rip rap	3.00	3.50	0.01	2.00	2.50	3.00	2.00	2.50
Extended totals	$281,492	$236,983	$222,116	$202,441	$201,184	$199,364	$181,334	$179,531

Lock and Dam No. 33, Maysville, Ky.

Bids were received Jan. 26 at the U. S. Engineer Office, Cincinnati, Ohio, for constructing Lock and Dam No. 33, in the Ohio River, near Maysville, Ky., from (A) Dravo Contracting Co., Pittsburgh, Penn.; (B) National Contract Co., Evansville, Ind.; (C) Hardaway Contracting Co., Columbus, Ga.; (D) Bates & Rogers Construction Co., Chicago, Ill.; (E) T. A. Gillespie Co., Pittsburgh, Penn. The item bids were as follows:

	A	B	C	D	E
4700 lin.ft. cofferdam, standard	$35.00	$30.00	$30.00	$29.00	$30.00
1500 lin.ft. cofferdam, modified (box type)	14.00	20.00	25.00	19.00	20.00
1500 lin.ft. cofferdam, modified (earth bank type)	14.00	20.00	25.00	17.00	20.00
1500 lin.ft. cofferdam, modified (combination type)	14.00	20.00	25.00	18.00	20.00
40,021 cu.yd. common excavation	0.85	0.50	0.50	0.55	0.85
61,235 cu.yd. fill	0.45	0.40	0.50	0.40	0.70
26,522 cu.yd. riprap	4.30	4.00	4.50	4.00	4.00
600 cu.yd. stone paving	7.00	6.00	5.90	6.00	5.00
140,190 lin.ft. round piles	0.40	0.40	0.40	40.00	0.50
1,463,150 ft. b.m. sheet piles	55.00	45.00	60.00	55.00	70.00
708,048 ft. b.m. common timber	65.00	60.00	60.00	52.00	90.00
250,480 ft. b.m. deck timber	60.00	60.00	60.00	52.00	90.00
72,426 ft. b.m. oak timber	120.00	80.00	125.00	100.00	130.00
254 cu.yd. reinforced concrete	15.00	15.00	25.00	15.00	15.00
46,936 cu.yd. concrete	6.65	6.25	7.00	6.50	8.00
3049 cu.yd. concrete paving	7.40	7.00	8.00	7.50	10.00
869,618 lb. structural steel	0.08	0.07	0.06	0.06	0.08
121,090 lb. reinforcing rods	0.06	0.07	0.06	0.05	0.05
51,150 lb. forgings (including w.i.)	0.08	0.07	0.07	0.06	0.08
131,804 lb. bolts, etc.	0.07	0.07	0.07	0.06	0.08
296,083 lb. iron castings	0.07	0.07	0.055	0.06	0.08
194,129 lb. steel castings	0.10	0.10	0.08	0.10	0.10
1319 lb. bronze	1.10	1.00	1.00	1.00	1.00
2338 lin.ft. pipe, 6-in.	4.70	3.00	3.00	2.75	3.00
2164 lin.ft. pipe, 4-in.	2.50	2.50	2.50	2.25	2.50
2702 lin.ft. pipe, 3-in.	1.75	2.00	2.00	1.75	2.50
555 lin.ft. pipe, 2-in.	1.00	1.50	1.50	1.00	0.75
590 lin.ft. pipe, 1½-in.	0.70	1.00	1.00	1.00	0.75
696 lin.ft. pipe, 1¼-in.	0.50	1.00	1.00	0.75	0.75
754 lin.ft. tile drain	1.00	1.00	1.00	1.00	2.50
Extended totals	$1,065,047	$973,234	$1,047,825	$972,544	$1,192,080

Portland, Ore.—The Portland Lodge, No. 291, Loyal Order of Moose, will construct a six-story, 68x100-ft. building at Fourth and Taylor St. The estimated cost is $125,000. George R. Funk is Chn. of Bldg. Com.

Berkeley, Calif.—Plans are being prepared by John Galen Howard, Arch, Architectural Bldg., University of California Grounds, for the construction of a four-story building near the University Library. The estimated cost is $800,000.

San Diego, Calif—The Cabrillo Club contemplates the construction of a seven-story building. The estimated cost is $150,000. W. H. A. Johnston is interested.

Susanville, Calif.—The County Supervisors plan to construct a courthouse. Estimated cost, $100,000. George McGow is Chn. of Bd.

Toronto, Ont.—The Masonic Lodge of Toronto plans to construct a Masonic Temple on Spadina Rd. The estimated cost is $400,000. W. D. McPherson is Grand Master.

INTERCEPTING SEWER, NEWARK, N. J. SECTION 18—SOUTHERLY PORTION

Bids were received Feb. 2 by the Passaic Valley Sewerage Commissioners, for construction Section 18, southerly portion, of the Main Intercepting Sewer, in open trench and tunnel, from (A) James Ferry & Sons, Inc., Baltimore, Md.; (B) Booth & Flinn, Ltd., New York, N. Y.; (C) New York & New Jersey Construction Co., Newark, N. J.; (D) Mason & Hanger Co., Inc., New York, N. Y.; (E) Charles A. Haskin, Boston, Mass. The item bids were as follows:

River Bank Route

	A	C	D
2308 lin.ft. earth excavation and refilling in trench for 65-in. sewer	$67.00	$38.00	$42.00
1040 lin.ft. excavation in earth, rock or earth and rock in tunnel for 65-in. sewer	115.00	51.00	55.00
100 cu.yd. rock excavation in trench	5.00	3.00	3.00
2000 cu.yd. concrete masonry in trench	12.00	10.25	10.50
1200 cu.yd. concrete masonry in tunnel	15.00	14.00	13.50
100 cu.yd. brick masonry in manholes	20.00	15.00	16.00
1000 lb. steel for concrete reinforcement	0.05	0.05	0.05
2000 ton rip-rap	4.00	1.00	2.50
Special steel and timber sheeting and shoring between stations 17+25 and station 18+05 (lump sum)	9100.00	10,000.00	6000.00
Extended totals	$335,886	$191,894	$204,286

Tunnel Route

	A	B	C	D	E
695 lin.ft. earth excavation and refilling in trench for 65-in. sewer	$82.00	$60.00	$40.00	$42.00	$27.50
2700 lin.ft. excavation in earth, rock or earth and rock in tunnel for 65-in. sewer	82.00	70.00	48.00	45.00	48.00
100 cu.yd. rock excavation in trench	0.01	3.00	3.00	3.00	5.00
600 cu.yd. concrete masonry in trench	15.00	12.00	11.00	9.50	8.50
3100 cu.yd. concrete masonry in tunnel	15.00	15.00	15.00	12.00	10.00
100 cu.yd. brick masonry in manholes	20.00	18.00	15.00	16.00	20.00
2000 lb. steel for concrete reinforcement	0.05	0.05	0.05	0.05	0.04
Extended totals	$335,991	$286,600	$212,400	$195,590	$187,392

Wallace Supplies Mfg. Co., with offices at 412 Orleans St., Chicago, Ill., and a branch at 233 Broadway, New York, N. Y., is the new name of the Wallace Supply Co. The reason for this change is to better acquaint customers of the firm with the fact that in addition to manufacturing a line of ring benders, bar benders, eye benders, pipe benders, etc., the company is in a position to manufacture specialties of all kinds.

The New England Foundation Co., Inc., has moved to 70 Kilby St., Boston.

The Koehring Machine Co., Columbus, Ohio, announces that a new office was opened early in January by W. W. Williams, in the Provident Bank Bldg., Cincinnati. C. O. Irwin will be in charge of this office.

House Numbers—The Baltimore Enamel & Novelty Co., Baltimore, Md., was low bidder at $509.75 for enameled house numbers. This called for 10,000 plates, size 3x2-in., and 139 gross of screws.

WATER TUNNEL, CHICAGO, ILL.

Section No. 1

Bids were received Dec. 2 by the city for constructing Section No. 1 of the Wilson Ave. water tunnel from (A) Great Lakes Dredge & Dock Co., (B) FITZSIMMONS & CONNELL DREDGE & DOCK CO. (awarded contract), (C) Nash Dowdle Co., (D) Byrnes Bros. Dredging & Engineering Co. The item bids were as follows:

	A	B	C	D
1,312,000 lb. steel	$0.07¾	$0.06	$0.12	$0.09
24 6-in. sea valves	50.00	25.00	45.00	25.00
8 12-in. sea valves	75.00	75.00	55.00	45.00
5500 cu.yd. concrete below top of shell	11.90	8.00	8.50	12.00
465 cu.yd. granite	60.00	60.00	71.50	67.00
450 cu.yd. concrete above top of shell	16.00	15.00	12.00	12.00
20,000 lb. reinforcing steel	0.05	0.02½	0.05	0.06
Superstructure complete (lump sum)	59,900.00	42,000.00	71,500.00	49,500.00
Landing structure, complete (lump sum)	20,000.00	17,818.00	35,000.00	24,360.00
40 cu.yd. concrete in floor of well	16.00	15.00	9.50	17.50
37.5 ft. earth excavation in shaft	190.00	78.00	149.00	325.00
62.2 ft. rock excavation in shaft	280.00	50.00	178.00	350.00
54 ft. c.-i. lining	295.00	210.00	260.00	250.00
205 cu.yd. concrete lining of shaft	20.00	12.00	15.00	15.00
2128 ft. 13-ft. tunnel complete	105.00	77.00	99.50	95.00
Extended totals	$553,581	$403,179	$597,710	$550,047

CATALOG NOTICES

Wallace Supplies Mfg. Co., 412-20 Orleans St., Chicago, Ill. Booklet. Hand bending tools. Illustrated, 3½x6 in.

Waterbury Co., 80 South St., New York. Catalog. Fibreclad wire rope. Illustrated, 24 pp., 3½x6 in.

De Laval Steam Turbine Co., Trenton, N. J. Catalog B. Centrifugal pumps. Illustrated, 298 pp., 6x9 in.

Minneapolis Steel & Machinery Co., Minneapolis, Minn. Catalog. Twin City tractors. Illustrated, 40 pp., 6x9 in.

Pelton Water Wheel Co., 90 West St., New York. Bulletin No. 8. Water wheels. Illustrated, 64 pp., 6x9 in.

Pacific Flush-Tank Co., The Temple, Chicago, Ill. Catalog No. 17. Automatic sewage ejectors. Illustrated, 32 pp., 6x9 in.

General Electric Co., Schenectady, N. Y. Bulletin No. 44004. Railway line material for direct suspension. Illustrated, 100 pp., 8x10½ in.

The Goulds Mfg. Co., Seneca Falls, N. Y. Bulletin No. 119. Centrifugal pumps. Illustrated, 12 pp., 7½x10 in.

Yorke Derrick Co., Washington, Penn. Catalog. Structural steel derricks, structural steel concreting towers, automatic dump buckets, oil and gas drilling rigs, etc. Illustrated, 32 pp., 5½x7½ in.

Northern Engineering Works, Detroit, Mich. Catalog No. 26. Cranes. Illustrated, 64 pp., 6x9 in.

The General Fireproofing Co., Youngstown, Ohio. The Waterproofing Handbook. Illustrated, 64 pp., 6x9 in.

Minneapolis Steel & Machinery Co., Minneapolis, Minn. Buldetin. Hoisting machinery, derricks. Illustrated.

American Mailing Device Corp., 103 Park Ave., New York. Catalog. Mail chutes. Illustrated, 20 pp., 4½x9½ in.

Charles McDermott Co. is the new title of the business heretofore carried on by Charles McDermott and later by the Estate of Charles McDermott. The address is 103 Pennsylvania Bldg., Philadelphia.

The Terry Steam Turbine Co., Hartford, Conn., announces that a new office has been opened at 702 Candler Bldg., Atlanta, with R. S. Scott in charge as representative of the State of Georgia. The Pittsburgh office is now in the Oliver Bldg., in charge of H. A. Rapelye.

The Chicago Bridge & Iron Works, Chicago, Ill., announces that E. G. Ladd, who has been in its Contracting Department for more than twenty years, is now in charge of a new office located at Monticello, Fla. This office will take care of business in the states of Georgia, Florida and Alabama.

The American Cast Iron Pipe Co., 716 Starrett Bldg., Kansas City, Mo., has arranged to carry a complete line of cast-iron pipe and specials in the following sizes, 4-, 6-, 8- and 10-in.

BARGE CANAL WORK, ALBANY, N. Y.

Contract No. 28

Bids were received Feb. 2 by Duncan W. Peck, State Supt. Pub. Wks., for Barge Canal Contract No. 28, constructing a harbor, dock wall and two breakwaters on Oneida Lake at Cleveland, N. Y., from (A) Henry P. Burgard, Fulton, N. Y.; (B) Barrally & Ingersoll, Rochester, N. Y.; (C) C. R. Simpson, 170 Broadway, New York, N. Y.; (D) John F. Dolan Contracting Co., 50 Church St., New York, N. Y.; (E) Clarence E. Gruner, Albany, N. Y.; (F) Eastover Construction Co., Inc., 122 North Genesee St., Utica, N. Y. The item bids were as follows:

	A	B	C	D	E	F
31,000 cu.yd. excavation	$0.39	$0.40	$0.55	$0.60	$0.45	$0.50
28 M. ft. b.m. sawed lumber	60.00	50.00	40.00	50.00	50.00	50.00
48,000 lin.ft. round timber	0.16	0.20	0.20	0.18	0.16	0.20
230 cu.yd. second-class concrete	9.00	8.50	8.00	8.00	11.00	8.00
1230 cu.yd. stone filling	1.80	1.75	1.50	1.50	1.00	1.80
1050 cu.yd. second-class riprap	4.50	4.00	4.50	4.50	3.50	4.50
1500 lb. iron casting, plain	0.05	0.05	0.05	0.05	0.06	0.05
550 cu.yd. gravel surfacing	1.00	1.00	1.00	1.00	0.80	1.00
Extended totals	$31,084	$32,332	$36,805	$37,675	$30,995	$35,904